# Life Cycle Plan (LCP)

&lt;1 Student at a Time&gt;

&lt;Team 07&gt;

&lt;Team members and roles&gt;

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK Lee</td>
<td>Project Manager, Quality Focal Point</td>
</tr>
<tr>
<td>Samantha Kuo</td>
<td>Prototyper, Implementer</td>
</tr>
<tr>
<td>Jian Zheng</td>
<td>Software Architect Modeler, Implementer</td>
</tr>
<tr>
<td>Patricia Zhang</td>
<td>Requirements Engineer, Feasibility Analyst, Implementer</td>
</tr>
<tr>
<td>Wenzhuo Wang</td>
<td>Operation Concept Engineer, Feasibility Analyst, Implementer</td>
</tr>
<tr>
<td>Tiancheng Lin</td>
<td>Life Cycle Planner, Verification and Validation</td>
</tr>
<tr>
<td>Yian Shi</td>
<td>Feasibility Analyst, Implementer, Tester</td>
</tr>
<tr>
<td>Fujie Liang</td>
<td>Feasibility Analyst, Implementer, Tester</td>
</tr>
<tr>
<td>Tanner Smith</td>
<td>Trainer</td>
</tr>
</tbody>
</table>

&lt;October 17th, 2020&gt;
# Version History

<table>
<thead>
<tr>
<th>Date</th>
<th>Author</th>
<th>Version</th>
<th>Changes made</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/23/20</td>
<td>Tiancheng Lin</td>
<td>1.0</td>
<td>Original template for use v1.0</td>
<td>Initial draft for use v1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Finished until Section 6.2</td>
<td></td>
</tr>
</tbody>
</table>
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1. Introduction

1 Student at a Time (1ST) is a student-led organization whose mission is to support students in the Los Angeles college community, particularly those in greatest need. 1ST provides information and resources, such as student for student solidarity grants, for students in need so that they can thrive and succeed in their higher education. We seek to build resilience, address inequities among students and young people in our communities, and aspire to create a brighter future.

1.1 Purpose of the LCP

This LCP helps both our team and the client understand the working and implementing progress. In detail, it provides a list of artifacts including specific tasks to be delivered with exact date, and assign each team member with different roles and tasks to be done.

1.2 Status of the LCP

This version is the first version of the LCP so nothing is changed.

1.3 Assumptions

<< List all possible assumptions for the project life cycle, such as schedule, personnel resources, standard, guidelines, and etc. For example:

- The duration of the project is 12 weeks in Fall 2020.
- The runnable website will be delivered by two weeks before November 15th.
- The delivered website should be compatible in most web Browsers including Safari, Google Chrome, IE, Firefox.
2. Milestones and Products

2.1 Overall Strategy

The 1 Student at a Time website is following NDI/NCS because most of core capabilities are Non-Development Item or Web service.

**Exploration phase**  
*Duration: *09/09/20 - 9/15/20  
*Concept:* They identify project operational concept, system and software requirement, system and software architecture, and life-cycle plan.  
*Deliverables:* Valuation Commitment Package  
*Milestone:* Valuation Commitment Review

**Valuation phase**  
*Duration: *09/16/20 - 09/20/20  
*Concept:* They define concept of system and analyze investment, time and human resource they need for completing this website.  
*Deliverables:* Foundations Commitment Package  
*Milestone:* Foundations Commitment Review

**Foundations phase**  
*Duration: *09/21/20 – 09/29/20  
*Concept:* They design system life-cycle architecture and Ops concept for the system and apply predefined net and cloud service to our system.  
*Deliverables:* Development Commitment Package  
*Milestone:* Development Commitment Review

**Development phase**  
*Duration: *10/01/20 - 10/30/20  
*Concept:* They begin their development on the system as planned with incremental development and operations.  
*Deliverables:* Operations Commitment Package  
*Milestone:* Operations Commitment Review

**System Production and Operations phase**  
*Duration: *11/01/20 - 11/30/20  
*Concept:* They deliver the product to the client and sustain and maintain the system in the future.  
*Deliverables:* Final project Package  
*Milestone:* Final project Review
2.2 Project Deliverables

<< Identify project deliverables in each phase and its due date, format, and medium>>

2.2.1 Exploration Phase

<< The following is an example of deliverables in Exploration phase.>>

<table>
<thead>
<tr>
<th>Artifact</th>
<th>Due date</th>
<th>Format</th>
<th>Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Interaction Report</td>
<td>9/14/2020</td>
<td>.doc(x), .pdf</td>
<td>Soft copy</td>
</tr>
<tr>
<td>Project Risk and Defect Report</td>
<td>Biweekly</td>
<td>.pdf</td>
<td>Soft copy</td>
</tr>
<tr>
<td>Project Plan</td>
<td>Biweekly</td>
<td>.mpp, .pdf</td>
<td>Soft copy</td>
</tr>
<tr>
<td>Progress Report</td>
<td>Biweekly</td>
<td>.pdf</td>
<td>Soft copy</td>
</tr>
</tbody>
</table>

2.2.2 Valuation Phase

<table>
<thead>
<tr>
<th>Artifact</th>
<th>Due date</th>
<th>Format</th>
<th>Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Estimation</td>
<td>9/20/2020</td>
<td>pdf</td>
<td>Soft copy</td>
</tr>
<tr>
<td>Resource Estimation</td>
<td>9/20/2020</td>
<td>pdf</td>
<td>Soft copy</td>
</tr>
</tbody>
</table>

2.2.3 Foundations Phase

<table>
<thead>
<tr>
<th>Artifact</th>
<th>Due date</th>
<th>Format</th>
<th>Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>OOAD</td>
<td>10/10/2020</td>
<td>Pdf</td>
<td>Soft copy</td>
</tr>
<tr>
<td>Technical Dept</td>
<td>10/19/2020</td>
<td>Pdf</td>
<td>Soft copy</td>
</tr>
</tbody>
</table>
2.2.4 Development Phase

Table 4: Artifact deliverable in Development Phase

<table>
<thead>
<tr>
<th>Artifact</th>
<th>Due date</th>
<th>Format</th>
<th>Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress report</td>
<td>Biweekly</td>
<td>.ppt, .pdf</td>
<td>softcopy</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
3. Responsibilities

3.1 Project-specific stakeholder’s responsibilities

- Our team should deliver a runnable and compatible website
- Our team should fulfill a majority of the win conditions
- Our team should teach our client how to manage this website
- Either our team or the client should be responsible for future maintenance and evolution of this website
- The client should be the key decision maker for our front end design and layout

3.2 Responsibilities by Phase

Table 2: Stakeholder's Responsibilities in each phase

<table>
<thead>
<tr>
<th>Team Member / Role</th>
<th>Exploration</th>
<th>Valuation</th>
<th>Foundations</th>
<th>Development-Construction Iteration</th>
<th>Development-Transition Iteration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: DK Lee</td>
<td>Primary Responsibility</td>
<td>Primary Responsibility</td>
<td>Primary Responsibility</td>
<td>Primary Responsibility</td>
<td>Primary Responsibility</td>
</tr>
<tr>
<td>Role: Project Manager, Quality Focal Point</td>
<td>1. Facilitate team members</td>
<td>1. Facilitate team members</td>
<td>1. Facilitate team members</td>
<td>1. Facilitate team members</td>
<td>1. Facilitate team members</td>
</tr>
<tr>
<td></td>
<td>2. Lead the whole team</td>
<td>2. Lead the whole team</td>
<td>2. Lead the whole team</td>
<td>2. Lead the whole team</td>
<td>2. Lead the whole team</td>
</tr>
<tr>
<td></td>
<td>3. Make decision when team has different opinions</td>
<td>3. Make decision when team has different opinions</td>
<td>3. Make decision when team has different opinions</td>
<td>3. Make decision when team has different opinions</td>
<td>3. Make decision when team has different opinions</td>
</tr>
</tbody>
</table>

| Name: Samantha Kuo | Primary Responsibility | Primary Responsibility | Primary Responsibility | Primary Responsibility | Primary Responsibility |
| Role: Prototyper, Implementer | 1. Coordinate with team members to top risks to prototype | 1. Coordinate with team members to top risks to prototype | 1. Coordinate with team members to top risks to prototype | 1. Coordinate with team members to top risks to prototype | 1. Do research on project features for implementation |
|                     | 2. coordinate with team members to perform technology trade study | 2. coordinate with team members to perform technology trade study | 2. coordinate with team members to perform technology trade study | 2. coordinate with team members to perform technology trade study | 2. Debug |
|                     | 3. Do research on project features for implementation | 4. Help trainers to train client how to manage the website | 5. Implementing required features and pages | 6. Modify prototype with the change of client’s need. | 7. Finish final prototype. |
| Name: Jian Zheng  
Role: Software Architect Modeler, Implementer | Primary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Do research on project features for implementation |
|---|---|---|---|---|---|---|
| 1. Lead in translating requirements into software architecture and design  
2. Identify use cases | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Modify prototype with the change of client’s need. |
| 1. Lead in translating requirements into software architecture and design  
2. Identify use cases | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Finish final architect model. |

| Name: Patricia Zhang  
Role: Requirements Engineer, Feasibility Analyst, Implementer | Primary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Do research on project features for implementation |
|---|---|---|---|---|---|---|
| 1. Coordinate with clients and team member to conduct win-win negotiation  
2. Lead in defining and prioritizing win-conditions / requirements | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Finish final feasibility analysis. |
| 1. Coordinate with clients and team member to conduct win-win negotiation  
2. Lead in defining and prioritizing win-conditions / requirements | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Finish final feasibility analysis. |

| Name: Wenzhuo Wang  
Role: Operation Concept Engineer, Feasibility Analyst, Implementer | Primary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Do research on project features for implementation |
|---|---|---|---|---|---|---|
| 1. Identify characteristics of the proposed system  
2. Provide foundational concepts of the project | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Finish final Concept of the project. |
| 1. Identify characteristics of the proposed system  
2. Provide foundational concepts of the project | Secondary Responsibility | Do research on project features for implementation | Do research on project features for implementation | Do research on project features for implementation | Primary Responsibility | Finish final Concept of the project. |
| Name: Tiancheng Lin  
Role: Life Cycle Planner, Verification and Validation | Primary Responsibility  
1. Work with team members in cost estimation  
2. Work with team members in development iteration plan, transition plan, and support plan  
Secondary Responsibility  
1. Help implementer team do search on features | Primary Responsibility  
1. Work with team members in cost estimation  
2. Work with team members in development iteration plan, transition plan, and support plan  
Secondary Responsibility  
1. Help implementer team do search on features | Primary Responsibility  
1. Work with team members in cost estimation  
2. Work with team members in development iteration plan, transition plan, and support plan  
Secondary Responsibility  
1. Help implementer team do search on features | Primary Responsibility  
1. Work with team members in cost estimation  
2. Work with team members in development iteration plan, transition plan, and support plan  
Secondary Responsibility  
1. Help implementer team do search on features |
|---|---|---|---|---|
| Name: Yian Shi  
Role: Feasibility Analyst, Implementer, Tester | Primary Responsibility  
1. Work with team members to develop feasibility evidence  
2. Work with team members to identify and track risks  
Secondary Responsibility  
1. Do research on project features for implementation | Primary Responsibility  
1. Work with team members to develop feasibility evidence  
2. Work with team members to identify and track risks  
Secondary Responsibility  
1. Do research on project features for implementation | Primary Responsibility  
1. Work with team members to develop feasibility evidence  
2. Work with team members to identify and track risks  
Secondary Responsibility  
1. Do research on project features for implementation | Primary Responsibility  
1. Do research on project features for implementation  
2. Help trainers to train client how to manage the website  
Secondary Responsibility  
Help team to finish documentation. |
| Name: Fujie Liang  
Role: Feasibility Analyst, Implementer, Tester | Primary Responsibility  
1. Work with team members to develop feasibility evidence  
2. Work with team members to identify and track risks  
Secondary Responsibility  
1. Do research on project features for implementation | Primary Responsibility  
1. Work with team members to develop feasibility evidence  
2. Work with team members to identify and track risks  
Secondary Responsibility  
1. Do research on project features for implementation | Primary Responsibility  
1. Do research on project features for implementation  
2. Help trainers to train client how to manage the website  
Secondary Responsibility  
Help team to finish documentation. |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Role: Trainer</td>
<td>1. Lead in stakeholders’ training</td>
<td>1. Lead in developing user manual or technical manual</td>
<td>1. Lead in stakeholders’ training</td>
<td>1. Lead in developing user manual or technical manual</td>
<td>1. Lead in stakeholders’ training</td>
<td>1. Lead in developing user manual or technical manual</td>
<td>1. Lead in stakeholders’ training</td>
<td>1. Lead in developing user manual or technical manual</td>
</tr>
</tbody>
</table>

### 3.3 Skills

<table>
<thead>
<tr>
<th>Team members</th>
<th>Role</th>
<th>Skills</th>
</tr>
</thead>
</table>
| DK Lee       | <Project Manager> <Quality Focal Point> | <Current skills:>
Project management skills < Required skills:>
Project management skills |
| Samantha Kuo | <Prototyper> <Implementer> | <Current skills:>
React
NodeJS
Firebase
Firestore
JavaScript
Github
Google APIs < Required skills:>
React
NodeJS
Firebase
Firestore
JavaScript
Github
Google APIs |
| Jian Zheng   | <Software Architect Modeler> <Implementer> | <Current skills:>
React
NodeJS
Firebase
Firestore
JavaScript
Github
Google APIs < Required skills:>
<p>|</p>
<table>
<thead>
<tr>
<th></th>
<th>Current skills:</th>
<th>Required skills:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Patricia Zhang</strong></td>
<td><strong>&lt;Requirements Engineer&gt;</strong>&lt;br&gt;&lt;Feasibility Analyst&gt;&lt;Implementer&gt;</td>
<td><strong>&lt;Current skills:&gt;</strong>&lt;br&gt;React&lt;br&gt;NodeJS&lt;br&gt;Firebase&lt;br&gt;Firestore&lt;br&gt;JavaScript&lt;br&gt;Github&lt;br&gt;Google APIs <strong>&lt; Required skills:&gt;</strong>&lt;br&gt;React&lt;br&gt;NodeJS&lt;br&gt;Firebase&lt;br&gt;Firestore&lt;br&gt;JavaScript&lt;br&gt;Github&lt;br&gt;Google APIs</td>
</tr>
<tr>
<td><strong>Wenzhuo Wang</strong></td>
<td><strong>&lt;Operation Concept Engineer&gt;</strong>&lt;br&gt;&lt;Feasibility Analyst&gt;&lt;Implementer&gt;</td>
<td><strong>&lt;Current skills:&gt;</strong>&lt;br&gt;React&lt;br&gt;NodeJS&lt;br&gt;Firebase&lt;br&gt;Firestore&lt;br&gt;JavaScript&lt;br&gt;Github&lt;br&gt;Google APIs <strong>&lt; Required skills:&gt;</strong>&lt;br&gt;React&lt;br&gt;NodeJS&lt;br&gt;Firebase&lt;br&gt;Firestore&lt;br&gt;JavaScript&lt;br&gt;Github&lt;br&gt;Google APIs</td>
</tr>
<tr>
<td><strong>Tiancheng Lin</strong></td>
<td><strong>&lt;Life Cycle Planner&gt;</strong>&lt;br&gt;&lt;Verification and Validation&gt;</td>
<td><strong>&lt;Current skills:&gt;</strong>&lt;br&gt;COCOMO II&lt;br&gt;Microsoft Project <strong>&lt; Required skills:&gt;</strong>&lt;br&gt;Microsoft Project</td>
</tr>
<tr>
<td>Name</td>
<td>Role</td>
<td>Current Skills</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Yian Shi</td>
<td>Feasibility Analyst, Implementer, Tester</td>
<td>React, NodeJS, Firebase, Firestore, JavaScript, Github, Google APIs</td>
</tr>
<tr>
<td>Fujie Liang</td>
<td>Feasibility Analyst, Implementer, Tester</td>
<td>React, NodeJS, Firebase, Firestore, JavaScript, Github, Google APIs</td>
</tr>
<tr>
<td>Tanner Smith</td>
<td>Trainer</td>
<td>React, NodeJS, Firebase, Firestore, JavaScript, Github, Google APIs</td>
</tr>
<tr>
<td>Firebase</td>
<td>Firestore</td>
<td>JavaScript</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>------------</td>
</tr>
</tbody>
</table>

```
4. Approach

4.1 Monitoring and Control

We have biweekly project plan, progress report and risk report to check our team’s progress. Also, Trello is also a tool for us to keep track of what is going on.

4.1.1 Closed Loop Feedback Control

We have an iMessage group to communicate with each other.

4.1.2 Reviews

We have Trello, Google drive and weekly presentation to control our project.

4.2 Methods, Tools and Facilities

<< Describe methods, tools, facilities and their usage and provider that you used in your project>>

<table>
<thead>
<tr>
<th>Tools</th>
<th>Usage</th>
<th>Provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>React</td>
<td>JavaScript library for building user interfaces or UI components.</td>
<td>Open source</td>
</tr>
<tr>
<td>NodeJS</td>
<td>Cross-platform, back-end, JavaScript runtime environment that executes JavaScript code outside a web browser</td>
<td>Open source</td>
</tr>
<tr>
<td>Firebase</td>
<td>platform developed by Google for creating mobile and web applications.</td>
<td>Open source</td>
</tr>
</tbody>
</table>
5. Resources

- Estimated CSCI577a Effort: 9 team members at 5 hrs/week for 12 weeks
- Estimated CSCI577b Effort: 9 team members at 5 hrs/week for 12 weeks
- Total estimated effort: 57 Hours
- Budget information: Below 10$ per month
- Project duration: more than 1 year
- Component modules in your development project: Back end, Front end, database
- Programming language used: JavaScript

From Common Mistakes: Scale factors can be applied to the project as a whole, but cost drivers must be calculated for each individual module. You should have one Scale Driver table for the project and as many Cost Driver tables as the number of modules of your project.

You should provide rationale for every cost driver and scale factor of each module.

Note: You can also refer to Barry W. Boehm, et al, Software Cost Estimation With COCOMO II, Prentice all PTR, New Jersey, 2000 on how to estimate software cost. >>

Table 3: COCOMOII Scale Driver

<table>
<thead>
<tr>
<th>Scale Driver</th>
<th>Value</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precededness</td>
<td>High</td>
<td>Our project has a former version so this value should be high.</td>
</tr>
<tr>
<td>Development Flexibility</td>
<td>Nominal</td>
<td>We need to follow client’s opinion on website’s layout and design.</td>
</tr>
<tr>
<td>Architecture/Risk Resolution</td>
<td>Nominal</td>
<td>Design a website is on average of project difficulty.</td>
</tr>
<tr>
<td>Team Cohesion</td>
<td>Low</td>
<td>It is the first time we meet and form a team.</td>
</tr>
<tr>
<td>Process Maturity</td>
<td>Nominal</td>
<td>Weighted average of “Yes” answers is 50%.</td>
</tr>
</tbody>
</table>

Table 4: COCOMOII Cost Driver

<table>
<thead>
<tr>
<th>Cost Driver</th>
<th>Value</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reliability</td>
<td>VLOW</td>
<td>Slight inconvenience</td>
</tr>
<tr>
<td>Data</td>
<td>LOW</td>
<td>DB bytes / Pgm SLOC &lt; 10</td>
</tr>
<tr>
<td>Complexity</td>
<td>LOW</td>
<td>Straightforward nesting of structured programming</td>
</tr>
<tr>
<td>Reusability</td>
<td>High</td>
<td>Reuse across program</td>
</tr>
<tr>
<td>Documentation</td>
<td>Nominal</td>
<td>Right-sized to life-cycle needs</td>
</tr>
<tr>
<td>Time Constraint</td>
<td>Nominal</td>
<td>&lt;= 50% use of available execution time</td>
</tr>
<tr>
<td>Storage constraint</td>
<td>Nominal</td>
<td>&lt;=50% use of available storage</td>
</tr>
<tr>
<td>Platform volatility</td>
<td>Nominal</td>
<td>Major: 6 months Minor: 2 weeks</td>
</tr>
<tr>
<td>Capability</td>
<td>Value</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Analyst capability</td>
<td>High</td>
<td>Our team have strong ability to communicate and cooperate</td>
</tr>
<tr>
<td>Program Capability</td>
<td>Nominal</td>
<td>Our implementers have strong ability to communicate and cooperate</td>
</tr>
<tr>
<td>Applications experience</td>
<td>High</td>
<td>Most of our implementers have 3 years of Application experience</td>
</tr>
<tr>
<td>Platform experience</td>
<td>Low</td>
<td>Most of our implementers have few experiences of Platform</td>
</tr>
<tr>
<td>Language and tool experience</td>
<td>High</td>
<td>Most of our implementers have 3 years’ experience of JavaScript.</td>
</tr>
<tr>
<td>Personnel continuity</td>
<td>Very Low</td>
<td>Most of our implementers will stop our maintenance after this semester</td>
</tr>
<tr>
<td>Software tools</td>
<td>Nominal</td>
<td>No strong tools and no simple tools</td>
</tr>
<tr>
<td>Multisite development</td>
<td>Extra High</td>
<td>Interactive multimedia</td>
</tr>
<tr>
<td>Required schedule</td>
<td>Nominal</td>
<td>Just normal schedule</td>
</tr>
</tbody>
</table>

<< Provide a screenshot of your COCOMO II analysis result and interpret what it means to your project. >>
Size of SLOC means the estimated source line of code of our final project.

Cost means the money we need for human resource. Since this is a class project, the cost is zero.

Effort means how many person-per-month effort we totally need to cost.

Schedule means the calendar time in months from the requirements baseline to acceptance.
6. Iteration Plan

6.1 Plan

<< Provide a high-level overview of the content of the given iteration. Indicate which Life cycle milestones will be addressed. >>

Our project performs a four-week iteration:
- September 1st: Form team and separate works based on chosen roles
- October 1st: Finish all preparation works, most of feature researches and life cycle plan.
- November 1st: Deliver a prototype of website with basic features and finish researching for all features
- December 1st: Deliver a runnable and compatible website to the client with all required features achieved.

6.1.1 Capabilities to be implemented

<< For the milestone identified above, identify the capabilities that will be implemented in the upcoming iteration. Identify the features, requirements or use-cases that are being developed (implemented, tested, etc.) for this iteration. Each component should be accounted for in at least one iteration. All requirements should be implemented and tested (or re-negotiated) by the completion of all the iterations. Be mindful of implementation dependencies. Document complex dependencies and communicate them to the appropriate development staff. >>

<table>
<thead>
<tr>
<th>ID</th>
<th>Capability</th>
<th>Description</th>
<th>Priority</th>
<th>Iteration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Upload Videos</td>
<td>Admin can upload videos on the website page</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>Search</td>
<td>Users can search pages by key words.</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

6.1.2 Capabilities to be tested

<< For the milestone identified above, identify the capabilities that will be tested in the upcoming iteration.

Identify the software features and combinations of software features to be tested this iteration. This may also include non-functional requirements or extra-functional requirements, such as performance, portability, and so forth.

Additionally, you may need to test non-requirement component features such as COTS capabilities and quality, API functionality, etc. >>

<table>
<thead>
<tr>
<th>ID</th>
<th>Capability</th>
<th>Description</th>
<th>Priority</th>
<th>Iteration</th>
</tr>
</thead>
</table>
6.1.3 Capabilities not to be tested

The donation feature will not be tested this iteration since we are still doing research on transaction methods.

6.1.4 CCD Preparation Plans

The client, Destiny, and our team will be involved in the Core Capability Drive-through. It will support usage scenarios of User login, user add/delete comments and admin add/delete comments.

Preparation dry runs:
We will have a meeting on with our client and our trainer, Tanner, will help Destiny go through all the agenda and core capabilities we implement so far, and then after CCD, Destiny will share her suggestions and concerns with us and then we can revise and adjust some of our features to better fulfill Destiny’s requirement.

After Client’s review, we will let one student from USC, which is not in our team, to use this website and ask his or her user experience and opinions.

Milestones:
November 1st: Delivered a User’s Manual
November 2nd: Delivered a concern log
November 6th: Developer Preparation
November 13th: CCD report

6.2 Iteration Assessment

6.2.1 Capabilities Implemented, Tested, and Results

<< Describes, in brief, the capabilities that were implemented and the test results. The capabilities implemented and tested do not necessarily need to match the ones listed in section 6.1 because some capabilities may have been pushed to the next iteration. >>
Table 7: Capabilities implemented, tested, and results

<table>
<thead>
<tr>
<th>ID</th>
<th>Capability</th>
<th>Test Case</th>
<th>Test Results</th>
<th>If fail, why?</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; ID &gt;</td>
<td>&lt; Capability &gt;</td>
<td>&lt; TC-XX &gt;</td>
<td>Pass/Fail</td>
<td>&lt; comments &gt;</td>
</tr>
<tr>
<td>…</td>
<td>…</td>
<td>…</td>
<td>…</td>
<td>…</td>
</tr>
</tbody>
</table>

6.2.2 Core Capabilities Drive-Through Results

<< Briefly summarize the feedback you received from your client(s). You need to be specific enough to cover the critical capabilities or scenarios that were discussed, demoed, or shown. Your descriptions MUST, but not limited to, cover the following areas:
- Positive feedbacks
- Improvements needed/suggested
- Changes to-be considered (Reprioritized capabilities, requirements, GUI, etc.)
- Risks (New risks introduced, risks mitigated, etc.)

Note: Make sure to be specific to the capabilities shown/demonstrated/driven-through. Simply stating that the clients liked the capabilities is not sufficient. >>

6.3 Adherence to Plan

<< Describe how well the iteration ran according to plan. Was it on budget and on time? Is there any uncertainty in the Software Development Status? Provide some insight to avoid mistakes for future iterations. >>