

Release Description

Farmworkers Safety App

Team 09

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04/27/2017

Version History

Date	Author	Version	Changes made	Rationale
05/04/15	TC / VS	1.0	<ul style="list-style-type: none"><li data-bbox="638 331 982 352">• Create the description for release	<ul style="list-style-type: none"><li data-bbox="1052 331 1425 384">• Initial the first version of the documents for the Archive package.

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1. About This Release

This is the first release of Farmworker Safety System Application.

Item Names	Last Modified Date	Version
Operational Concept Description (OCD)	04/28/2017	4.0
System and Software Support Plan (SP)	04/28/2017	1.0
System and Software Architecture Description (SSAD)	04/28/2017	3.1
Life Cycle Plan (LCP)	04/28/2017	4.0
Feasibility Evidence Description (FED)	04/28/2017	2.3
Regression Test Package (RTP)	04/28/2017	1.0
Test Plan and Cases (TPC)	04/28/2017	2.0
Test Procedure and Results (TPR)	04/28/2017	1.0
Transition Plan (TP)	04/28/2017	1.0
Training Materials (TM)	04/28/2017	1.0
User Manual (UM)	04/28/2017	2.0
Release Description (RD)	04/28/2017	1.0

1.1 Physical Inventory of materials released

Our system doesn't contain any physical material to release.

1.2 Inventory of software contents

1.2.1 Web application

Category	Files
Dependency Management Files	package.json
Read me	readme.md
Configuration (API Endpoints)	Front-End/app/js/constants/config.js
Language Files	Front-End/app/js/shared/i18n.js

Pages (Scripts)	Front-End/app/js/routes/mainComponent.js
Language Files	Front-End/app/js/routes/landingComponent.js
Pages (Scripts)	Front-End/app/js/routes/registerComponent.js
Pages (Static HTML Template)	Front-End/app/js/routes/mainLandingComponent.js
	Front-End/app/js/routes/profileComponent.js
	Front-End/app/js/routes/profile/updateAccountComponent.js
	Front-End/app/js/routes/profile/updateCommunicationPreferenceComponent.js
	Front-End/app/js/routes/profile/updateFarmComponent.js
	Front-End/app/js/routes/profile/updateProfileComponent.js
	Front-End/app/js/routes/profile/viewProfileComponent.js
	Front-End/app/js/routes/educationComponent.js
	Front-End/app/js/routes/education/documentEducationComponent.js
	Front-End/app/js/routes/education/quizEducationComponent.js
	Front-End/app/js/routes/education/TakeQuizComponent.js
	Front-End/app/js/routes/education/videoEducationComponent.js
	Front-End/app/js/routes/adminComponent.js
	Front-End/app/js/routes/admin/adminLandingComponent.js
	Front-End/app/js/routes/admin/educationAdminComponent.js
	Front-End/app/js/routes/admin/education/createQuizEducationAdmin.js
	Front-End/app/js/routes/admin/education/documentEducationAdminComponent.js
	Front-End/app/js/routes/admin/education/editQuizEducationAdminComponent.js
	Front-End/app/js/routes/admin/education/quizEducationAdminComponent.js
	Front-End/app/js/routes/admin/education/videoEducationAdminComponent.js

	Front-End/app/js/routes/admin/farmAdminComponent.js
	Front-End/app/js/routes/admin/farmownerAdminComponent.js
	Front-End/app/js/routes/admin/farmowner/addFarmownerComponent.js
	Front-End/app/js/routes/admin/farmowner/searchFarmownerComponent.js
	Front-End/app/js/routes/admin/farmworkerAdminComponent.js
	Front-End/app/js/routes/admin/farmworker/addFarmworkerComponent.js
	Front-End/app/js/routes/admin/farmworker/searchFarmworkerComponent.js
	Front-End/app/js/routes/admin/securityAdminComponent.js
	Front-End/static/routes/main.html
	Front-End/static/routes/landing.html
Pages (Static HTML Template) Components (Scripts)	Front-End/static/routes/register.html
	Front-End/static/routes/mainLanding.html
	Front-End/static/routes/profile.html
	Front-End/static/routes/profile
	Front-End/static/routes/profile/account.html
	Front-End/static/routes/profile/communicationPreference.html
	Front-End/static/routes/profile/farm.html
	Front-End/static/routes/profile/profile.html
	Front-End/static/routes/profile/view.html
	Front-End/static/routes/education.html
	Front-End/static/routes/education/document.html

Front-End/static/routes/education/quiz.html
Front-End/static/routes/education/TakeQuiz.html
Front-End/static/routes/education/video.html
Front-End/static/routes/admin.html
Front-End/static/routes/admin/education.html
Front-End/static/routes/admin/education/createQuiz.html
Front-End/static/routes/admin/education/document.html
Front-End/static/routes/admin/education/editQuiz.html
Front-End/static/routes/admin/education/quiz.html
Front-End/static/routes/admin/education/video.html
Front-End/static/routes/admin/farm.html
Front-End/static/routes/admin/farmowner.html
Front-End/static/routes/admin/farmowner/add.html
Front-End/static/routes/admin/farmowner/search.html
Front-End/static/routes/admin/farmworker.html
Front-End/static/routes/admin/farmworker/add.html
Front-End/static/routes/admin/farmworker/search.html
Front-End/static/routes/admin/landing.html
Front-End/static/routes/admin/security.html
Front-End/app/js/components/farmSelectListComponent.js

Components (Scripts) Route filters Component (Static HTML Template)	Front-End/app/js/components/footerComponent.js
	Front-End/app/js/components/languageSelectorComponent.js
	Front-End/app/js/components/navigationComponent.js
	Front-End/app/js/components/registeredFarmComponent.js
	Front-End/app/js/components/videoModal.js
	app/filters.php
	Front-End/static/components/farmSelectList.html
	Front-End/static/components/footer.html
	Front-End/static/components/language-selector.html
	Front-End/static/components/navigation.html
Route filters	Front-End/static/components/footer.html
	Front-End/static/components/language-selector.html
	Front-End/static/components/navigation.html
	Front-End/static/components/videoModal.html
	Front-End/static/components/footer.html
Component (Static HTML Template) Webpack Config	Front-End/entry.js
	Front-End/webpack.config.js
	Front-End/app/js/models/Document.js
	Front-End/app/js/models/EducationContentMap.js
Models Models Angular Entry Script Routes	Front-End/app/js/models/Farm.js
	Front-End/app/js/models/LoginCredential.js
	Front-End/app/js/models/Quiz.js
	Front-End/app/js/models/QuizAnswer.js
	Front-End/app/js/models/QuizAttempts.js
	Front-End/app/js/models/QuizQuestion.js
	Front-End/app/js/models/User.js

	Front-End/app/js/models/UserCommunicationPreference.js
	Front-End/app/js/models/UserFarm.js
	Front-End/app/js/models/UserSecurityRole.js
	Front-End/app/js/models/Video.js
	Front-End/app/js/app.js
	app/routes.php
Stylesheets	Front-End/app/css/bootstrap.custom.css
Routes	Front-End/app/css/languages.min.css
Stylesheets Images	Front-End/app/css/languages.png
	Front-End/app/css/nav-side-menu.css
	Front-End/app/css/simple-sidebar.css
	Front-End/app/css/style.css
	Front-End/app/css/theme/**
	Front-End/static/assets/images/background.jpg

1.2.2 Backend

Models	Back-End/FarmworkersWebAPI/Entities/EducationalContent.cs
	Back-End/FarmworkersWebAPI/Entities/EducationalContents.cs
	Back-End/FarmworkersWebAPI/Entities/Farm.cs

	Back-End/FarmworkersWebAPI/Entities/FarmWorkerAppContext.cs
	Back-End/FarmworkersWebAPI/Entities/LoginCredential.cs
	Back-End/FarmworkersWebAPI/Entities/Quiz.cs
	Back-End/FarmworkersWebAPI/Entities/QuizAnswer.cs
	Back-End/FarmworkersWebAPI/Entities/QuizAttemptsUser.cs
	Back-End/FarmworkersWebAPI/Entities/QuizEducationalContent.cs
	Back-End/FarmworkersWebAPI/Entities/QuizQuestion.cs
	Back-End/FarmworkersWebAPI/Entities/User.cs
	Back-End/FarmworkersWebAPI/Entities/UserCommunicationPreference.cs
	Back-End/FarmworkersWebAPI/Entities/UserEducationalContent.cs
	Back-End/FarmworkersWebAPI/Entities/UserEmergencyContact.cs
	Back-End/FarmworkersWebAPI/Entities/UserFarm.cs
	Back-End/FarmworkersWebAPI/Entities/UserPermission.cs
	Back-End/FarmworkersWebAPI/Entities/UserSecurityRole.cs
	Back-End/FarmworkersWebAPI/Entities/WeatherHistory.cs
Controllers	Back-End/FarmworkersWebAPI/Controllers/EducationalContentController.cs
	Back-End/FarmworkersWebAPI/Controllers/FarmsController.cs
	Back-End/FarmworkersWebAPI/Controllers/LoginCredentialsController.cs
	Back-End/FarmworkersWebAPI/Controllers/NotificationsController.cs
	Back-End/FarmworkersWebAPI/Controllers/QuizController.cs
	Back-End/FarmworkersWebAPI/Controllers/UsersController.cs
View Models (JSON Request & Response)	Back-End/FarmworkersWebAPI/ViewModels/ChangePasswordRequestDTO.cs

	Back-End/FarmworkersWebAPI/ViewModels/FarmDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/FarmInfoDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/LoginCredentialDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/LoginCredentialsForm.cs
	Back-End/FarmworkersWebAPI/ViewModels/QuizForm.cs
	Back-End/FarmworkersWebAPI/ViewModels/UserCommunicationPreferenceDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/UserDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/UserFarmDTO.cs
	Back-End/FarmworkersWebAPI/ViewModels/UserForm.cs
	Back-End/FarmworkersWebAPI/ViewModels/UserWithFarmDTO.cs
Config	Back-End/FarmworkersWebAPI/Web.config

2. Compatibility Notes

The system works on any server that has NodeJS v.4.4+ and .NET Framework v.4.5+ running. Users can access to Farmworker Safety App Web application (once it is up and running on some server) from any portable devices and computers that can access to the Internet. Moreover, users can register to receive Farms' weather information by sending a text message to specific phone number that we register to Our team recommends using Chrome or Firefox for the best web experience.

No.	Compatible Components installed	Version
1	ASP.Net WebAPI	v5.2.3
2	EntityFramework	v6.1.3
3	Microsoft SQL Server	2014
4	AutoMapper	v6.0.2
5	Angular.JS	V1.5.8
6	Webpack	v1.13.1
7	Bootstrap	v3.3.7

3. Upgrading

Prerequisites

1. NodeJS <https://nodejs.org/en/>

2. .NET Framework <https://www.microsoft.com/en-us/download/details.aspx?id=30653>
3. Microsoft SQL Server <https://www.microsoft.com/en-us/download/details.aspx?id=42299>
4. Microsoft Visual Studio (any version) <https://www.visualstudio.com>

Installation steps

1. Clone Farmworker Safety App from the git repository
https://github.com/jfandr147/577b_2017_Team09_Farmworkers using this command
git clone https://github.com/jfandr147/577b_2017_Team09_Farmworkers
<destination_directory>
2. For Web Application;
 - a. Go under the {root directory}/Front-End of the project
 - b. Run npm to install the project's dependencies
npm install
 - c. Start the webserver by run this command
npm start
 - d. If do not have PHP GD then install PHP GD module by
sudo yum install php55-gd
3. For Backend
 - a. Go under the {root directory}/Back-End of the project
 - b. Open FarmworkersWebAPI.sln with Visual Studio
 - c. Edit Web.config and set database connection to your Microsoft SQL Server
 - d. Run the project by pressing Hotkey F5

4. New Features and Important Changes

This is the first release of the Farmworker Safety System.

4.1 New Features

Following is the list of features in first release of Farmworker Safety System

- Web Application
 - User Side
 - Create user profile
 - Edit user profile
 - Add work location
 - Update work location
 - Edit system preferences (preferred language, schedule, and communication time for educational content update)
 - Educational content for user (Video, Document, Quiz)
 - Admin Side
 - Add/Edit Farms
 - Add/Edit Farmworkers
 - Add/Edit Farm owner
 - Search Farmworker
 - Search Farm owners
 - Add/Edit educational contents
 - Edit admin information
- Texting system
 - Join the Farmworkers Safety System by registering to a farm.
 - User will get weather forecast.
 - User will get notification when temperature exceeds the threshold.
 - Get links to the educational contents that has not been viewed yet.

4.2 Changes since previous release

This is the first release of the Farmworker Safety System

4.3 Upcoming Changes

Following is the list of changes that will happen to the system before next release.

- Add Permission Preferences (security) module for Admin
- Change suggestions that will be made during CAL/OSHA meeting

5. Known Bugs and Limitations

- Limitations
 - The weather API be able to handle high number of requests.
 - The texting API be able to handle high number of requests
- Known Bugs
 - N/A