Must have:

User Story:
As a user, I can sign up and sign in with a username and a password, so that I can be authenticated and granted the privilege to use the system.

Acceptance Criteria:
- The system should allow the users to log in if they use the correct email address and password.
- The system should allow the users to sign up with unused email address and valid password.
- The system should give an error message if the email address and password combination is not correct.

User Story:
As a practitioner, I can upload videos and perform analysis on uploaded videos with customized parameters and get a report in an hour.

Acceptance Criteria:
- The system should give an error message if the video has invalid size or length
- The system should give a warning message if the video has FPS lower than 60, or resolution lower than 1080p.
- The system should list all the parameters and allow the practitioners to select them.
- The system should list all the videos’ names in this task and allow the practitioner to view and select.
- The system should process the videos and generate and display reports.

User Story:
As a patient, my data will be encrypted and only be visible to my practitioner instead of all users, so that my privacy gets protected

Acceptance Criteria:
- The system should only allow practitioners to view their own patients with their first names and last initials.

User Story:
As a practitioner, I can edit algorithm-generated reports, make comments on the reports, and share the report to my patients.

Acceptance Criteria:
- The system should allow practitioners to select optimal frames.
- The system should allow practitioners to add comments.
- The system should allow practitioners to decide which normative values are visible to their patients.
- The system should allow practitioners to share the reports to the patients.
User Story:
As a practitioner, I can manage my patients' information.

Acceptance Criteria:
● The system should list all the patients under a practitioner.
● The system should allow practitioners to add/delete patients.

User Story:
As a practitioner, I can track the status of the tasks, and the number of videos left for processing.

Acceptance Criteria:
● The system should show the status of the tasks. (not analyzed, analyzing, analyzed)

User Story:
As a practitioner, I can create report templates and modify the normative values, the corresponding score, and interpretation of these values.

Acceptance Criteria:
● The system should allow practitioners to modify the normative values and the corresponding score and interpretation
● The system should allow practitioners to apply a report template during report generation

Nice to have

User Story:
As a practitioner, I can see the visualized data graph generated from the video and optimal frames.

Acceptance Criteria:
● The system should display the data visualization graph in the report.

User Story:
As a practitioner, I can purchase different video analysis plans with my credit card or other online payment methods.

Acceptance Criteria:
● The system should allow practitioners to make payments.
● The system should list the purchase history.
● The system should display the remaining balance, which is how many videos can be analyze
User Story:
As a practitioner, I can get notified by an email when the analysis progress is finished.

Acceptance Criteria:
● The system should send an email to the practitioner when a task is completed.

User Story:
As a practitioner, I can post educational materials/marketing materials.

Acceptance Criteria:
● The system should allow the practitioner to upload/edit/delete educational materials.
● The system should show the educational materials to the patient.

Definition of Done
1. Each functionality was reviewed by someone or a particular stakeholder
2. Completed and passed the functional test of the user story.
3. Completed user manual of user story.
4. All issues are fixed.
5. All code deployed to the staging environment.
6. Gave a successful demonstration to stakeholders.
7. Completed project transition with documents (all libraries instruction, infrastructure, readme for code, tutorial for deployment, user’s manual book)