

Sprint Backlog Grooming Meeting Minutes (middle of each sprint)

Attendees: <Stefany Castro, Alyaa Mossa, Fernando Mata, Chelsea Rose, Ogabek Rakhimov>

Date: 01/19/2025

Start time:< 4:16 AM>

End time: < 5:18 AM>

- What was accomplished ? <estimate ~ 6 days>
 - Each member has been working on their role for the project. Some of us are extending the dataset and reviewing into a more accurate and complex ML model. Not only that but also transitioning into the frontend process, api , data engineering and more.
 - Each of the members have taken their time to adjust to their new roles and begin some research and skills to begin. We are juggling our other classes with our roles to succeed in a timely manner. There is still much to advance in and see progress
 - As we are still in the beginning parts of capstone 2 and most of our research was in Capstone 1 , our main focus is on trying to create an actual website that is advanced enough to use by modern day health professionals. We want to fulfill our goal of creating an accurate prediction system for our project. We are simply in the working process.

(All the features that are below - some are used in the prototype website but will be mainly focused on our Capstone 2 creation web.)

Features added for this sprint <estimate ~ 3 days>

Our features are closely concentrated on supporting our healthcare users, but we also need to take into account their audience. Therefore, our feature is purposely supporting both healthcare users and their patience so that it is a safe and effective software to use when it comes to entering the program, finding history, and using helpful resources.

- **#1 Feature: Log In / Security**

- User Story #1: As the doctor, I would like to safely get into my account without feeling unsure that my information will be exploited or shared. I want to know that my patients' information is safe under my account.
- User Story #2: As a doctor, I would like to have secure biometric options, so that I am able to log into the portal with ease, without needing to retype my user and password each time I sign in.
- User Story #3: As a doctor, I would like to have a two step verification in the app so that I feel that it's safe to use. This would help the system validate that a doctor is using the system for precaution.
- User Story #4: As a doctor, I want to be able to sign up from my professional hospital or clinic email for security purposes. Therefore only doctors that work in the specific healthcare company have access or can sign up by using their professional email.
- User Story #5: As a doctor, if I forget my password I would like the option to "forget password" and get a reverification code through my professional email so that I can reverify my identity and create a new password.

- **#2 Feature: Patient portal / Lab results (history)**

- User Story #1: As the doctor, I would like to have a complete log and history regarding the patient, so that I can clearly and easily see and detect any trends in the patient's condition.
- User Story #2: As a doctor, I would like to review the patient's family history so that I am able to detect any abnormalities or if there has been a history of CKD in their genes. This would help me analyze their possible condition.

- **#3 Feature: Graphs and Analytics (compare past and present results)**

- User Story #1: As the doctor, I would like to have to see my patients results in graphical and analytical form so that I am able to distinguish what lab results lowered or elevated. This is to bring awareness and on what to control.

- User Story #2: As the nurse, I would like to have access to see all graphical results and be able to summarize to the doctor for further support to diagnose the patient.

- **#4 Feature: Prediction Model (review and analyze patients lab results ; possibility on CKD)**
 - User Story #1: As a doctor, I want to have the ability to input all my patient's lab results and review all the content that was evaluated. I would then like to see the possibility of CKD through a Yes or No answer.

 - User Story #2: As a doctor, after receiving the analyzed possibility on CKD I would like to see a summary on what specific results or analyses were that triggered the YES possibility from the model.

 - User Story #3: Doctor wants to check CKD risk - As a doctor, I input labs and get a CKD risk score + explanation so I can make quicker and more consistent decisions.

- Other user stories worth noting:
 - Doctor wants automatic staging: I see eGFR + CKD stage calculated so I don't do it manually.
 - Doctor wants guidance: get simple follow-up suggestions aligned with kidney care guidelines.
 - Doctor wants to save results: I save the result to a patient notebook for future comparison.
 - Doctor wants to document easily: I download a one-page CKD report for my notes and patient education.