

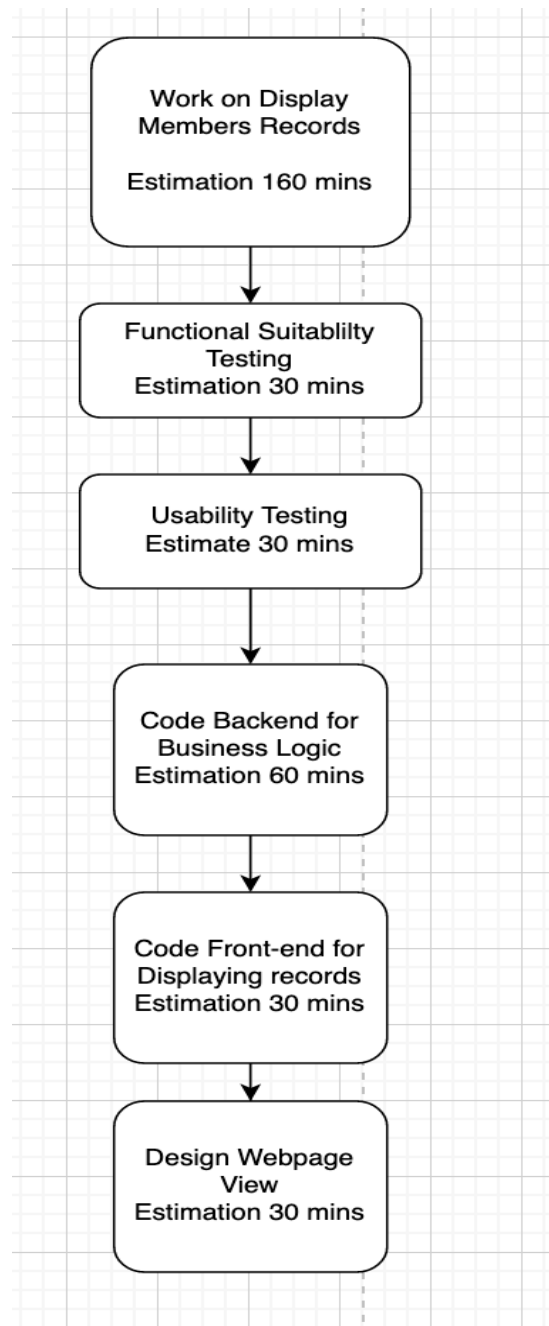
# Project Proposal1 : GotoGro-MRM

Name : Ekrar Efaz | 103494172

Tutorial: 10:30am Tuesday ATC325

Tutor Name: Dr. Naveed Ali

Product Backlog ID : 1 (Display Members Records)



### **Display Members' Records (Estimate 180 minutes)**

The total time required for working on Displaying member's records and completely implementing its functional suitability we needed 160 minutes in total.

### **Design Webpage View (Estimate 30 minutes)**

Usually designing a mock-up webpage roughly takes around 15 minutes for an individual worker. I have previous experience in designing and sketching front-end webpage. Since we are working in a team, we all had to agree on the design and a lot of ideas were discarded which explains why it took us double the time

### **Coding Front-End (Estimate 30 minutes)**

Coding front-end has recently become very simple over the years with different frameworks. Two of our teammates were responsible for Front-end coding and they were experienced React developers working in the industry. It was easy task for two of them to complete the Front-End code and test for functionality and performance.

### **Coding Back-End Logic (Estimate 60 minutes)**

Back-end code was the most difficult part of our tasks. We all worked on the back-end code and through trial and errors it took us 60 minutes. There were a few problems with connection to the database which costed us 15 extra minutes to fix.

### **Functional Suitability Testing and Usability Testing (30 minutes + 30 minutes)**

Testing was assigned to individuals based on their skills in software testing. The members who did testing were experienced in software testing and it was fairly an easy task for them. Based on their instruction we wrote unit tests before our coding which made sure our code was in line with our quality requirements. After learning test-driven development principles it was very simple to write unit tests within 30 minutes for each category.