

Project Proposal1 : GotoGro-MRM

Assignment 64C

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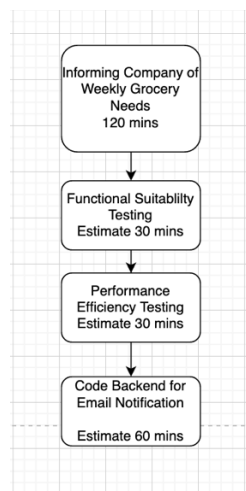
Product Backlog ID : Weekly Email Updates

Reflection Report of Effort Estimation

I have chosen to work with the backlog item which provides the store with weekly updates on the members grocery needs via email and other platforms. I specifically am working with setting up the email system. This item was something I am familiar with and have worked on something similar before.

To completely implement the notification system, we must complete a set of subtasks which are listed below:

- Performance Testing (30 minutes)
- Functional Testing (30 minutes)
- Coding Back-end for email notification (60 minutes)



Reflection on Actual Effort:

1. *Coding Backend for email Notification (Estimation 60 minutes, Actual 62 minutes)*

I had spent very close to what I estimated for coding the backend of my application. I had kept a little bit of extra time just to be safe because I estimated to finish the task in 45 minutes considering my experience in backend. I had run into a few bugs which I couldn't fix and, I had to read and figure out code snippets written by the team which dragged my time.

2. *Performance Testing (Estimation 30 minutes, Actual 27 minutes)*

Performance testing was quite a repetitive task which even though I had done performance testing for other backlog items in sprint1 couldn't go any bit faster. I had to do multiple tests and watch if there the delay between sending and receiving of the email notification was more than the threshold. I spent 27 minutes on this task instead of the estimated 30 minutes which is very close.

3. *Functional Suitability Testing (Estimation 30 minutes, Actual 20 minutes)*

Functional Suitability Testing was the easiest task of all which took me only 20 minutes instead of the estimated 30 minutes. Although I had a bit of bug which made the program do some unintended actions. It took time to figure out what was wrong but everything else was fine. I just had to check whether the email notification and contents were correct after repeating the task a certain number of times.

Evidence of Effort

The image shows two screenshots from a Jira project. The top screenshot is a Jira card titled "Weekly Updates about Grocery Needs" with a progress bar at 100%. The card lists tasks: "Functionality-Testing", "Performance-Testing", "Code-Backend-Logic", and "Code-Front-End", all of which are checked. The bottom screenshot shows a commit history for the "notify-feature" branch, listing four commits by "Ekrar Efaz" with their respective commit hashes and timestamps.

Commit Hash	Message	Author	Committed
33ab5e0	Testing Done	Ekrar Efaz	5 minutes ago
79a2b4f	backend implemented	Ekrar Efaz	2 hours ago
77ce9a9	Front-End Complete	Ekrar Efaz	3 hours ago
f1b75d1	initial commit of notify feature	Ekrar Efaz	5 hours ago

Conclusion: My estimation was that I needed 120 minutes to complete this backlog item and I used up 109 minutes which is in the margin of +/- 10 %. This indicates that my estimation was close to my actual efforts. In my future sprints I would always keep extra time when estimating code for backend logic because even though I might have experience it doesn't always work out in the first try.