

Product Backlog / Prototyping for Team 6

Version: 1.0

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Product Description

What is your product? Who is the target audience you expect to use the product? What problem is it solving?

User Stories (Functional Requirements)

Write up the functional requirements for your project using multiple user stories, each of which follows the template:

As a [kind of stakeholder],

So that [I can achieve some goal],

I want to [do some task]

Each of your user stories must also:

1. Be **SMART**. Pay special attention to *Specific* and *Measurable*. If your user stories have any ambiguity about this, further clarify them until they are clearly specific and measurable.
2. Have story points associated with it. Use 1, 2, 3 or 5 story points or t-shirt sizes.
3. Be **numbered** and arranged in order of priority (highest priority first)

Proposed Technical Setup

This project will be implemented in .NET MAUI using a Postgresql database.

Storyboards

What will the UI look like? Submit a **storyboard** using diagrams containing rough sketches of your product's user interface. These diagrams should depict the major UI used to implement the user stories you submit. For example, if one of your user stories was to allow a user to initiate a stock purchase, you should draw the initial UI that is presented when the user wishes to purchase a stock, along with any other major windows, messages, etc. that appear as the user navigates through this use case. If a window leads to a dialog box, drop-down box, etc., include it as a sub-diagram. Your diagrams do not need to be pretty to get full credit, but they should be clear and legible. The main point is to illustrate your thoughts about what information should be shown and how the user will use the software.

Digital Prototypes

After having created a storyboard, which can be sketched out on paper or on a whiteboard (include clear photos), and yes, you will be graded on penmanship -- it is time to explore the world of digital prototyping. Pick one of the tools described in class and use that to recreate **at least 6** screens digitally. Either include screenshots here or a link to your solution.

Include your answers to each of the sections (except for Proposed Technical Setup) in the pages to follow.

Product Description

Our product is an Academic Rewards system that can be utilized by parents and teachers to help track and reward the academic achievements of their children and students. Our primary target audience is students, parents, and teachers. Currently, there is very little structure for rewarding students for their academic progress, particularly for parents. Our application consolidates the setup, tracking, and rewards for academic tasks, allowing for students to be more engaged in their learning.

User Stories (Functional Requirements)

For these user stories, we will be using admin/member. Doing so will eliminate having to write "As a student/child..." or "As a teacher/parent..." several times. For reference:

Admin => Parent/Teacher

Member => Child/Student

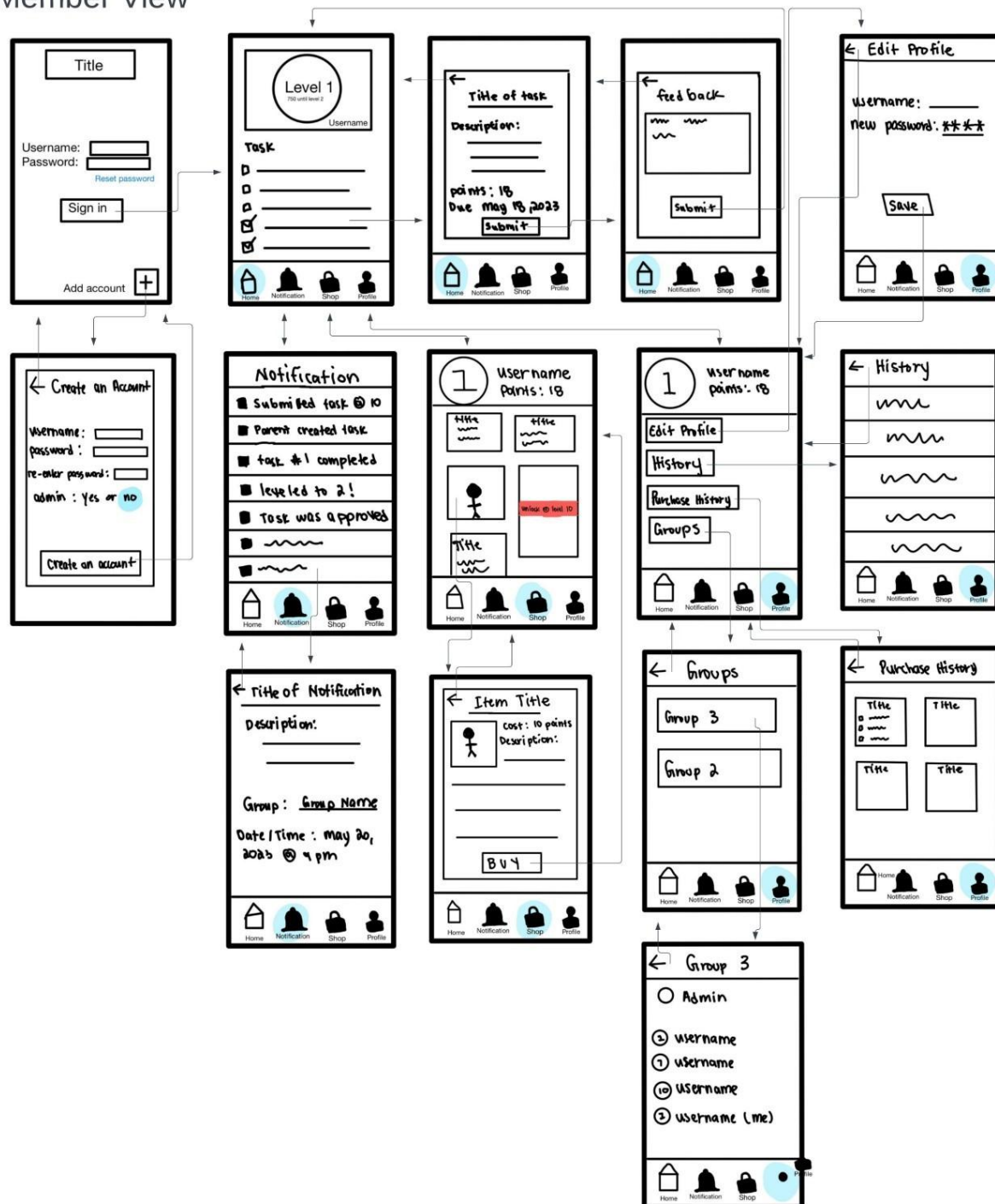
1. (WL) (3) As a(n) member/admin, I want to be able to login so that I can access the application.
2. (WL) (2) As a(n) member/admin, I want to edit my profile so that I can keep my username/password up-to-date.
3. (XL) (2) As a(n) member/admin, I want to view all tasks, so that I can see which ones are uncompleted, completed, and submitted.
4. (XL) (1) As a(n) member/admin, I want to be able to view one specific task, so that I can see the description, points, and date assigned.
5. (XL) (1) As a member, I want to submit a task once I am done, so that I can receive the points for it.
6. (XL) (1) As an admin, I want to submit a task once it is completed, so that students can earn points for it.
7. (XL) (1) As a(n) member/admin, I want to give feedback after a task submission, so that member/admin can read it.
8. (XL) (2) As an admin, I want to create a new task with the ability to create a title, description, and assign a group, so that members can have tasks available for them.
9. (XL) (1) As an admin, I want to edit a task, so that I can edit any specific information.
10. (XL) (1) As an admin, I want to delete a task, so that I can remove it completely.
11. (WL) (2) As an admin, I want to create new groups so I can start creating tasks and shop items for the members.
12. (WL) (3) As an admin, I want to invite members to my created groups so I can motivate my members to complete tasks and buy shop items.
13. (WL) (2) As an admin, I want to remove groups so I can keep my list of groups up-to-date.
14. (WL) (1) As an admin, I want to remove members from my created groups so I can keep the list of members up-to-date.

15. (WL) (1) As a member, I want to see all the groups I am in so that I can keep track of all my groups.
16. (WL) (1) As a member, I want to see who is in my group so that I can better understand who my admin and members are.
17. (SS) (5) As an admin, I want to be able to create notifications to send to my members, so I can communicate with all my members through the app.
18. (SS) (3) As a member, I want a page to keep track of notifications sent to my account, so I can keep track of my tasks and progress.
19. (MP) (1) As an admin, I want to see notifications of when members submit a task for approval, so I can see who has finished the task
20. (MP) (1) As a member, I want to get a notification when my task is approved, so I can know if I need to change my submission.
21. (WL) (1) As a member, I want detailed information about my notifications so I know exactly what they are about.
22. (MP) (2) As a member, I want to see my level so that I can track my progress and set goals.
23. (WL) (3) As an admin, I want to create new items and assign a title, point value, and description in my shop so that my group members can purchase them.
24. (WL) (1) As a member, I want to view item details in the shop so that I know exactly what the item is and how many points it costs.
25. (MP) (2) As a member, I want to be able to spend my points on items from the shop, so I can have tangible goals
26. (MP) (3) As an admin, I want to view what I have already posted to the store so I can make changes to the items/delete items.
27. (WL) (2) As a member, I want to view all my purchased items so that I can see what I have purchased and show them off to my group.
28. (WL) (3) As a(n) member/admin, I want to view all my history so that I can look at previous accomplishments.

Storyboards

MEMBER VIEW:

Member View



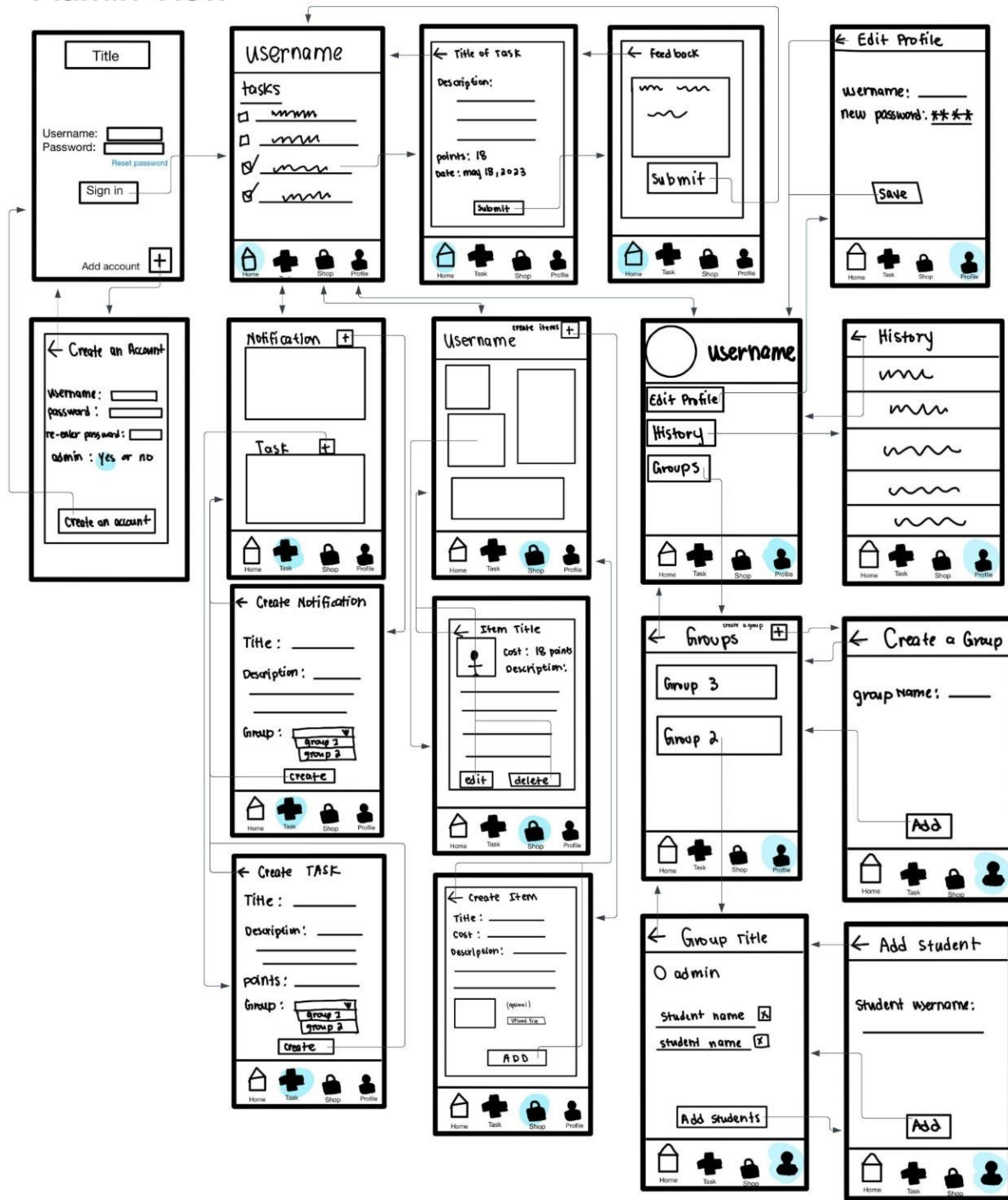
Lucidchart link:

https://lucid.app/lucidchart/49bad076-19ae-486f-b32d-3d9889dc092a/edit?viewport_loc=-209

%2C219%2C3415%2C1648%2C0_0&invitationId=inv_efc0911c-b678-450c-ab72-908ca3555a59#

ADMIN VIEW:

Admin View



Lucidchart link:

https://lucid.app/lucidchart/ea0d186a-8edc-4702-8f4a-5f96970fc37f/edit?viewport_loc=-1005%2C-34%2C5593%2C2699%2C0_0&invitationId=inv_f04ef4db-5462-4eee-95c5-ac3a225839cd#

Digital Prototypes



InVision link:

https://willalonde592843.invisionapp.com/freehand/Digital-Prototype-kHiiGxuRI?dsid_h=3f391

40cb909d59a3d176a2b21fd6e842387a0dfc196cd1cf1766b82941048c5&uid_h=9eed34d8842b7f47c8938fbc86f9ec1e45c9ba3cda5effd4d1b23966ed15c7ad