

Girl Scout Badge System

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Project Overview

iGirl Scout offers many kinds of badges and requirements to obtain by completing various exercises. Girl Scout leaders are generally in charge of tracking who has what badge and what requirements the badge has. However, tracking badges can be tedious, and paper files can be easily corrupted.

To provide a solution for these leaders, we suggest an app that easily track badges on the fly, without hassle. The app has features to (1) keep track of badges of members over time *and* at different levels, (2) keep track which badges need to be parched, have been bought, and handed out to the members, (3) show progressive information that may involve with special projects, (4) archive badge information, and (5) keep track of cookies for cookie season.

The app is also available for both iOS and android, and it provides a better tracking environment for Girl Scout leaders.

Technologies



Functional Requirements

No.	User Story Name	Priority
R0	Ask Permissions	1
R1	View Landing Page	1
R1.1	View Badge Summary	1
R2	View Badge Page	1
R2.1	Add Badge	1
R3	View Badge Details Page	1
R3.1	Edit Badge	2
R4	View Member Page	1
R5	View Member Details Page	2
R6	View Group Page	3
R6.1	Add Member	1
R7	View Setting Page	3
R7.1	Edit account settings	3
R7.2	Delete Account	3
R7.3	View About Us	3
R7.4	View Privacy Policy	3
R7.5	View Terms of Use	3
R8.1	Display Cookie Tracker	1
R8.2	View Specific Cookie Tracker Data	1
R8.3	Start Cookie Season	1

Non-Functional Requirements

No.	Categories	How to Test	Priority
NF1	Performance	- All functionalities should be less than 10 seconds. - 80% of functionalities should be less than 2 seconds.	1
NF2	Scalability	- There is no external storage, so there is no need to concern the maximum load of the system.	3
NF3	Security	- It is strictly prohibited for administrators to share user data with others other than administrators.	2
NF4	Usability	- The app is tested the listed functionalities.	1
NF5	Accuracy	- There is less than 2% of error rate for individual process steps (i.e., unit testing), less than 5% of error rate for combined process steps (i.e., component testing), and less than 5% of error rate for entire process (i.e., system testing).	2
NF6	Responsive-ness	- The project saves data even when interrupted by various external methods (such as calls or texts). - The project constantly saves data (if possible).	4
NF7	Network Coverage	- All data can be saved in internal storage to make it available without Wi-Fi connections.	5
NF8	Availability	- The project is available on Google Play Store, possibly on Apple App Store. - The entire code of the project is available on GitHub .	5

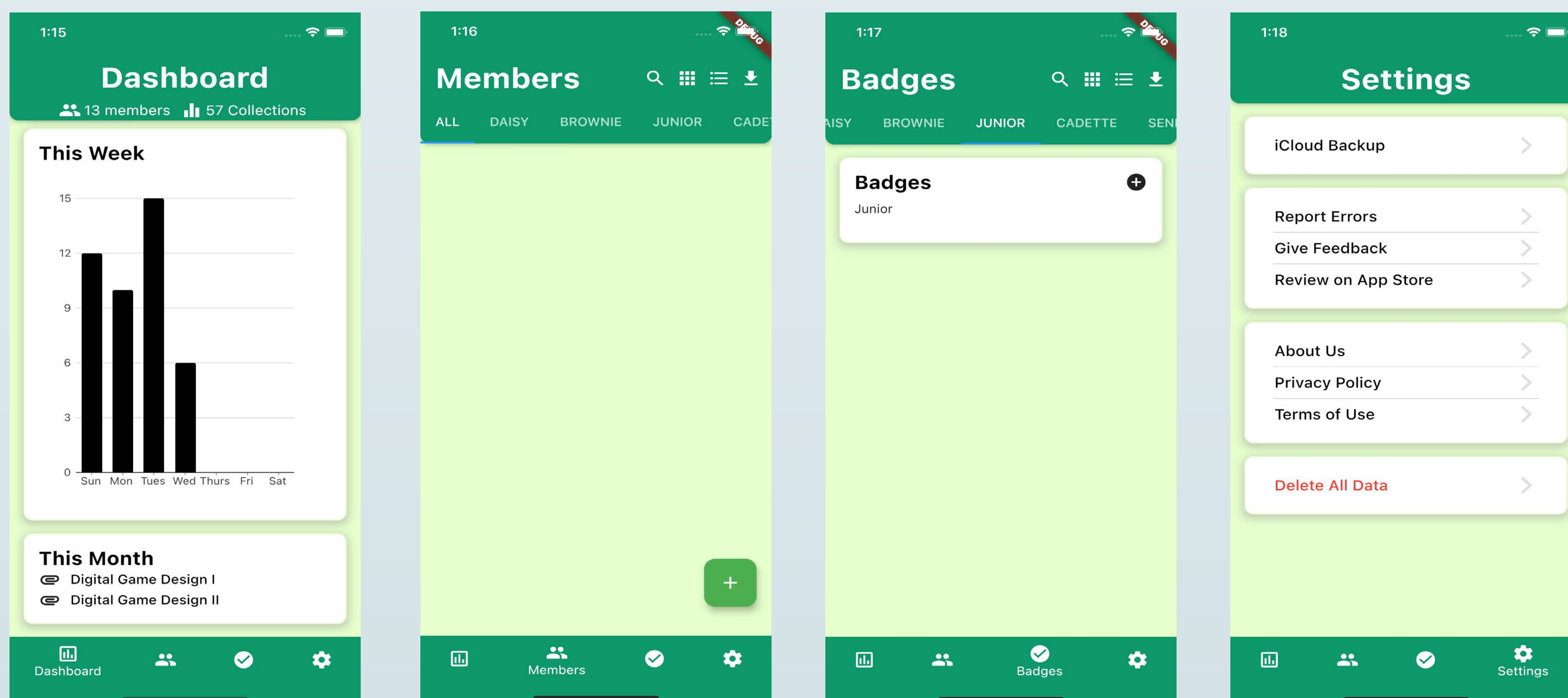
Testing

No.	Function	Description
R6.2	Add Member	The user will input a member's name, age, grade, and photo, and hit the save button to add the member.
R7	View Member Details Page	The user will select a member by clicking on their image from the Member Page.
R7.2	Edit Member	The user will click the edit icon, select the text box they wish to edit, and start typing the new text.
R7.4	Archive Member	The user will select the archive button and press yes on the confirmation pop-up.
R9.1	Display Cookie Tracker	The user will be able to scroll down on their homepage and see their current cookie sales.
R9.3	Start Cookie Season	The user can start cookie season mode in the app and walk through the setup making charts appear on the tracker and adding functionality for cookie transactions.

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Screenshots



Design

