



## Sprint Three Planning Document - CS407 Team 4

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## **Sprint Overview**

At this point, we have implemented most of the features that pertain to user profiles, events, clubs, classes, and the marketplace. That leaves the “living” component and all of its functionality, which is where we will dedicate most of our time for this sprint. We will be especially focused on features pertaining to the dining halls, corec, and washers/dryers in the dorms. Additionally, we will also work towards implementing stories that round out the overall experience of our application, including any remaining user stories in those aforementioned categories as well as a site-wide tutorial.

**Scrum Master:** Matthew Story

**Meeting Schedule:** Monday's and Friday's at 4:00 PM + As needed

### **Risks and Challenges**

As far as user-story complexity goes, this sprint will feature many user stories that may prove to be incredibly difficult to implement. To that end, our main challenge for this sprint will be figuring out how to incorporate many of those features. We will be relying on a few different APIs to meet our goals, so we will have to learn how those resources work in addition to how we can appropriately inject them into our project. If these avenues fail, we will be forced to rely on user-supplied data. Additionally, another challenge lies in our overall workflow - we need to be particularly cognizant of internal code-deadlines so that features which rely on full-site functionality, such as the tutorial, can be completed by the time the sprint concludes.

## Current Sprint Detail

### User Story #36

As a user, I would like to be able to view a labeled map with bus stops and routes that run through the Purdue campus.

#	Description	Estimated Time	Owner
1	Develop UI for the “transportation” page	3 Hrs	Matt
2	Inject map onto the page	1 Hr	Matt
3	Test UI (appearance)	1 Hr	Matt
User Story #36 Total Hours		5 Hours	

### Acceptance Criteria:

- Given that the UI is built correctly, when a user navigates to the “transportation” page, they should be met with a list of available CityBus options, including their bus number.
- Given that the UI is built correctly, when a user navigates to the “transportation” page and clicks on an individual bus option, they should be redirected to that bus’ CityBus page for more information.
- Given that the map is injected correctly, when a user navigates to the “transportation” page, they should be met with a static map that displays the route and stops of the listed buses.

### User Story #38

As a user, I would like to be able to view a list of all Purdue dining halls.

#	Description	Estimated Time	Owner
1	Develop landing page for “Dining”	2 Hrs	Matt
2	Create individual tiles for each dining court	2 Hrs	Matt
3	Connect dining court tiles to their respective info pages	2 Hrs	Matt
4	Test UI (responsiveness, correct redirects, and appearance)	1 Hr	Matt
User Story #38 Total Hours		7 Hours	

### Acceptance Criteria:

- Given that the landing page for the “Dining” is built correctly, when a user navigates to the dining court landing page, they should be met with several components, one for each major dining court (Ford, Earhart, Hillenbrad, Wiley, and Windsor)
- Given that the individual tiles for each dining court are built correctly, when a user navigates to the dining court landing page, the displayed tiles should include an image of the dining court as well as its name.
- Given that the dining court tiles are correctly connected to their respective information pages, when a user clicks on a dining court tile, they should be redirected to the information page for that specific dining court.

### User Story #39

As a user, I would like to be able to view daily menus for each dining hall.

#	Description	Estimated Time	Owner
1	Evaluate dining court APIs (Research - Menu Items)	2 Hrs	Matt
2	Develop UI for each dining court's "info" page	4 Hrs	Matt
3	Integrate daily menu API calls for each page	2 Hrs	Matt
4	Parse API data + inject into UI	3 Hrs	Matt
4	Test API integration for accurate information and retrieval	1 Hr	Matt
5	Test UI (responsiveness + overall appearance)	1 Hr	Matt
User Story #39 Total Hours		13 Hours	

#### Acceptance Criteria:

- Given that the information pages are built correctly, when a user navigates to the info page for a specific dining court, they should be met with that dining court's food options for the entire day.
- Given that the data is parsed correctly, when a user views food options at a specific dining court, the data should be broken down into categories such as breakfast, lunch, and dinner.
- Given that the data is parsed and injected into the UI correctly, when a user views food options at a specific dining court, each item should be marked as vegetarian or non-vegetarian.
- Given that a valid API is correctly implemented into our project, when a user views food options at a specific dining court, the data should be consistent with the information from Purdue's own dining app.
- Given that the UI is built correctly, when a non-authenticated user attempts to access information on the dining courts, they will be blocked and redirected to the landing page.

## User Story #40

As a user, I would like to be able to check how crowded each dining hall is.

#	Description	Estimated Time	Owner
1	Develop "Current Usage" form + status indicator	4 Hrs	Matt
2	Integrate form into each dining court's "info" page	1 Hr	Matt
3	Configure Firestore to hold raw user feedback	2 Hrs	Matt
4	Implement algorithm to evaluate usage data	4 Hrs	Matt
5	Test algorithmic accuracy (Internal vs. Physical Evaluation)	1 Hr	Matt
6	Test UI (responsive updates + user experience)	1 Hr	Matt
User Story #40 Total Hours		13 Hours	

### Acceptance Criteria:

- Given that the "Current Usage" form is built correctly, when users navigate to an individual dining court's "info" page, they should have the option to rate how crowded it is on a scale from 1 (empty) to 5 (over-crowded).
- Given that the "Current Usage" form is built correctly, when users navigate to an individual dining court's "info" page, they should be met with a status indicator that informs them how crowded the dining court currently is.
- Given that the algorithm to evaluate user data and the UI are implemented correctly, when there has not been enough data points to evaluate how crowded a particular dining court is, the status indicator should indicate that more data points are required.
- Given that Firestore is configured to hold the user feedback correctly, when a user inputs new feedback for a specific dining court, that information should be held as a subcollection under each respective dining court.
- Given that Firestore is configured to hold the user feedback correctly, when a user inputs new feedback for a specific dining court, that data should be continually removed from the database after a period of 1 hour.

## User Story #64

As a user, I would like to see a tutorial on all the features that the site has.

#	Description	Estimated Time	Owner
1	Research and implement UI for tutorial popup component	2 Hrs	Raziq
2	Within the signUp redux action, set up a collection that tracks if a user has visited a specific page	2 Hrs	Raziq
3	Set up a fetch and an update redux actions for page visit data	4 Hrs	Raziq
4	Set up a reducer to communicate result from page visit actions to the UI	2 Hrs	Raziq
5	Integrate tutorial popups to our 18 main pages (so that it pops up automatically during first-time visits to those pages)	9 Hrs	Raziq
6	Create an option in edit profile for the user to reset tutorial progress	3 Hrs	Raziq
User Story #66 Total Hours		22 Hours	

### Acceptance Criteria:

- Given the page visit tracking is implemented successfully, when the user visits a main page for the first time, the tutorial popups for that page should appear automatically.
- Given that page visit tracking is implemented successfully, when the user visits a main page for the second time, the tutorial popups for that page should no longer appear automatically.
- Given that firestore integration is implemented successfully, when a user signs up, there will be a database object that tracks if the user has visited various main pages.
- Given the edit profile UI is updated successfully, when a user navigates to the page, there will be an option for the user to reset its tutorial progress.
- Given the tutorial progress reset feature is implemented successfully, when the user resets their tutorial progress and revisits a main page, the tutorial popups for that page will reappear.

### User Story #41

As a user, I would like to be able to check how crowded different sections of the Purdue CoRec are.

#	Description	Estimated Time	Owner
1	Develop UI to show crowdedness level for a single section	4hrs	Raziq
2	Develop redux action to fetch and parse data from 3rd party API	3hrs	Raziq
3	Develop page UI and integrate redux action into the page	3hrs	Raziq
User Story # Total Hours		10 Hours	

### Acceptance Criteria:

- Given the CoRec page UI works, when the user navigates to the page, they will be able to see information about various corec sections.
- Given the CoRec page UI works, when the user navigates to the page, there will be an indicator showing when was the last time the data got updated.
- Given the CoRec page UI works, when the user navigates to the page, the page will render section UIs in alphabetical order.
- Given the CoRec section UI works, when the user is reading the information of a CoRec section, they'll be able to see the crowdedness level of the section in percentage.
- Given the CoRec section UI works, when the user is reading the information of a closed CoRec section, there will be an indicator showing that the section is closed.



### User Story #65

As a user, I would like to view a list of posts from various forums in a single page.

#	Description	Estimated Time	Owner
1	Design a tab bar in classes page to switch between displaying a subpage for posts to displaying a subpage for classes	2 hrs	Raziq
2	Develop a redux action to fetch posts from joined class forums and integrate it to the UI	4hrs	Raziq
3	Develop UI for posts subpage	3hrs	Raziq
4	Update the UI for classes subpage	2hrs	Raziq
5	Set up the required state management to make tab bar functional	2hrs	Raziq
User Story # Total Hours		13 Hours	

### Acceptance Criteria:

- Given the forums page UI is implemented correctly, when the user navigates to the page, they will be able to see a tab bar for switching between posts subpage and classes subpage.
- Given the tab bar functionality is implemented correctly, when the user clicks on the tab element for classes, a subpage for classes will be rendered.
- Given the tab bar functionality is implemented correctly, when the user clicks on the tab bar for posts, a subpage for posts will be rendered.
- Given the UI for posts subpage is implemented correctly, when the user navigates to the subpage, a list of cards showing relevant information about a post will be rendered.
- Given the UI for classes subpage is implemented correctly, when the user navigates to the subpage, a list of cards showing relevant information about a class will be rendered.

### User Story #12

As a user, I would like to choose between light and dark mode (if time allows).

#	Description	Estimated Time	Owner
1	Develop UI for change theme change	2 hour	Yu-Lun
2	Implement theme change	8 hour	Yu-Lun
3	Test for theme change	2 hour	Yu-Lun
User Story #12 Total Hours		12 Hours	

### Acceptance Criteria:

- Given that the UI for user profile is implemented correctly, when a user navigates to the profile page, there should be a button that allows the user to change the theme.
- Given that the UI for the Webapp is implemented correctly, when a user clicks the change button, the background should be a change to another theme.
- Given that the UI for the Webapp is implemented correctly, when a user clicks the change button again, the background should be changed back.
- Given that the UI for the Webapp is implemented correctly, when a user clicks the change button, the text should be a change to another theme.
- Given that the UI for the Webapp is implemented correctly, when a user clicks the change button again, the text should be changed back.

### User Story #61

As a user, I would like to join class forums (if time allows).

#	Description	Estimated Time	Owner
1	Create a new UI on the class page to show the users in the class.	2 hours	Yu-Lun
2	Create a conditionally rendered UI on the class page to join the class.	1 hours	Yu-Lun
3	Revise the database for classes.	6 hours	Yu-Lun
4	Add users to the firestore database.	4 hours	Yu-Lun
5	Test UI for new class page.	2 hours	Yu-Lun
User Story #61 Total Hours		15 Hours	

#### Acceptance Criteria:

- Given the UI for the class page is implemented correctly, when a user navigates the class page, there should be a list of users who joined this class.
- Given the UI for the class page is implemented correctly, when a user is not in the class, there should be a join button.
- Given that communication with Firestore Database, when a user clicks the join button, this user should be added to the class.
- Given the UI of the class page, when a user successfully joins the class, the user will be presented with a message that informs them their account was successfully joined.
- Given the UI of the class page, when a user clicks the user name in the list, the user should be redirected to that user's profile page.

### User Story #62

As a user, I would like to leave class forums (if time allows).

#	Description	Estimated Time	Owner
1	Create a conditionally rendered UI on the class page to leave the class.	2 hours	Yu-Lun
2	Delete users from the firestore database.	5 hours	Yu-Lun
3	Test UI for new class page.	2 hours	Yu-Lun
User Story #62 Total Hours		9 Hours	

### Acceptance Criteria:

- Given the UI for the class page, when a user is in the class, there should be a leave button.
- Given that communication with Firestore Database, when a user clicks the leave button, this user should be removed from the class.
- Given the UI of the class page, when a user successfully leaves the class, the user will be presented with a message that informs them their account was successfully removed.

### User Story #51

As a user, I would like to be able to message other students on the marketplace about their listings (if time allows).

#	Description	Estimated Time	Owner
1	Develop messaging field in the UI on the sell listing info page	2 Hrs	Michael
2	Develop list of marketplace messages on a user's profile page	2 Hrs	Michael
3	Develop messaging field associated with each users' marketplace messages on a user's profile page	2 Hrs	Michael
4	Configure Firestore to hold marketplace messages associated with a user	2 Hrs	Michael
5	Test UI (responsive updates + user experience)	4 Hrs	Michael
User Story #51 Total Hours		12 Hours	

### Acceptance Criteria:

- Given that the UI for the messaging field on the sell listing info page is implemented correctly, when a user navigates to a sell listing's info page, there should be an available field present for messaging the sell listing owner.
- Given that the UI for the messaging field on the sell listing info page is implemented correctly, when a user submits a message to send to the owner of a sell listing or if the owner responds to a user, the message is stored in the database.
- Given that the UI for the list of messages on the profile page is implemented correctly, when a user navigates to their profile page, they should be met with a list of messages relating to their sell listings.
- Given that the UI for the list of messages on the profile page is implemented correctly, when a user clicks on a message, they should be met with a field to respond to the message.
- Given that the UI for the list of messages on the profile page is implemented correctly, when a user receives a reply from one of their sell listing messages, they receive the reply in their profile page list of messages.

### User Story #67

As a user, I would like to be able to view my profile photo on my profile page.

#	Description	Estimated Time	Owner
1	Develop region in UI on profile page that displays profile photo	2 Hrs	Michael
2	Display photo at a size that is reasonable despite file size	1 Hrs	Michael
3	Pull image from firestore database on backend	1 Hrs	Michael
4	Improve the design of the profile page UI	2 Hrs	Michael
5	Test UI (user with photo displays proper photo and no photo if user has no photo)	2 Hrs	Michael
User Story #68 Total Hours		8 Hours	

### Acceptance Criteria:

- Given that the UI for the profile page is implemented correctly, when a user navigates to their profile page, they should be met with their profile photo.
- Given that the UI for the profile page is implemented correctly, when a user navigates to their profile page, they should see a default Purdue photo if they do not have a profile photo stored in the database.
- Given that the UI for the profile page is implemented correctly, when a user navigates to their profile page, they are given instructions on how to add missing profile information.
- Given that the UI for the profile page is implemented correctly, when a user navigates to their profile page, the profile page's design is enhanced to improve the user's experience.

## User Story #68

As a user, I would like to be able to upvote and downvote posts and comments

#	Description	Estimated Time	Owner
1	Develop upvote and downvote arrows associated with posts and comments	4 Hrs	Michael
2	Configure upvote or downvote arrow to light up when selected	3 Hrs	Michael
3	Configure Firestore to hold upvote and downvote data for posts and comments	3 Hrs	Michael
4	Communicate with Firestore when a post or comment is upvoted or downvoted	3 Hrs	Michael
5	Display number of upvotes and downvotes on a post or comment's UI	4 Hrs	Michael
6	Test UI (responsive updates + user experience)	3 Hrs	Michael
User Story #69 Total Hours		20 Hours	

### Acceptance Criteria:

- Given that the UI for the thread page is implemented correctly, when a user navigates to the thread page, a post and its comments each have an upvote arrow, a downvote arrow, and the number of net votes that post has.
- Given that the UI for the thread page is implemented correctly, when a user upvotes or downvotes a post or comment, they can only either upvote or downvote a single post or comment and when they do so, the corresponding button lights up and the number of votes changes.
- Given that upvoting and downvoting is implemented correctly, when a user upvotes or downvotes a post or comment, the number of votes in the database changes to the correct value.
- Given that upvoting and downvoting is implemented correctly, when a user upvotes or downvotes a post or comment, the post or comment ID is associated with the user in the database along with their like/dislike status
- Given that upvoting and downvoting is implemented correctly, when a user upvotes or downvotes a post or comment, upvoting or downvoting a post or comment does not affect any other post or comment

### User Story #14

As a user, I would like to choose specific features from the site to be saved (if time allows).

#	Description	Estimated Time	Owner
1	Develop UI for a page that displays saved items	6 hrs	Aaron
2	Develop options on features from site to select what is displayed on saved page	4 hrs	Aaron
3	Add remove saved button on features from site that are saved by user	4 hrs	Aaron
4	Configure Firestore to hold information on selected features for each user	2 hrs	Aaron
5	Test UI (responsive updates + user experience)	4 hrs	Aaron
User Story #14 Total Hours		20 Hours	

### Acceptance Criteria:

- Given that the UI for the homepage is implemented correctly, when the user navigates to their saved page, they should be met with a section that displays specific features.
- Given that the UI for club events is implemented correctly, when the user navigates to a club event page, there should be an add button to add the club event to their saved page.
- Given that the UI for the class forum is implemented correctly, when the user navigates to a sell-listing, there should be an add button to add the sell-listing to their saved page.
- Given that the UI for a post on a class forum is implemented correctly, when the user navigates to the post, there should be an add button to add the post to their saved page.
- Given that the add button is implemented correctly, when a user clicks one of the add buttons, a reference to the page or post that is added should appear on their saved page.
- Given that the add button is implemented correctly, when a user clicks one of the add buttons, a remove button will appear.
- Given that communication with Firestore Database is implemented correctly, when a user clicks the remove button, the post or page should be removed from the user object.
- Given that communication with Firestore Database is implemented correctly, when a user clicks the add button, the post or page should be added to the user object.



### User Story #23

As a user, I would like to be able to RSVP to club events (if time allows).

#	Description	Estimated Time	Owner
1	Develop button on UI for club event page to RSVP	2 hrs	Aaron
2	Configure Firestore to hold information on users that have RSVP'd for events	3 hrs	Aaron
3	Configure Firestore to hold information on events that a user has RSVP'd for	3 hrs	Aaron
4	Test UI (responsive updates + user experience)	2 hrs	Aaron
User Story #23 Total Hours		10 Hours	

#### Acceptance Criteria:

- Given that the UI for a club event page is implemented correctly, when the user navigates to the club event page, there should be a button to RSVP to the event.
- Given that the RSVP button is implemented correctly, when a user clicks the RSVP button, a confirmation page should appear saying the user has RSVP'd to the event.
- Given that the user is RSVP'd to an event, when a user navigates to the club event page, there should be a button to remove the RSVP to the event.
- Given that the remove RSVP button is implemented correctly, when a user clicks the remove RSVP button, a confirmation page should appear saying the user has been removed from the RSVP list to the event.
- Given that communication with Firestore Database is implemented correctly, when a user clicks the RSVP button, the user should be added to the list of RSVP'd users for the club event.
- Given that communication with Firestore Database is implemented correctly, when a user clicks the non RSVP button, the user should be removed from the list of RSVP'd users for the club event.

### User Story #66

As a user, I would like to sort posts from the forums page.

#	Description	Estimated Time	Owner
1	Develop UI for forums that displays sorting option for posts	4 Hrs	Aaron
2	Implement Firebase function for searching class forums	3 Hrs	Aaron
3	Test UI (responsive updates + user experience)	3 Hrs	Aaron
User Story #66 Total Hours		10 Hours	

### Acceptance Criteria:

- Given that the UI for the forums page is implemented correctly, when the user navigates to the page, there should be options to sort the posts.
- Given that the sorting feature is implemented correctly, when the user clicks on a button to sort, the posts should be sorted according to the option pressed.
- Given that the sorting feature is implemented correctly, when a user applies recency sorting, posts will be ordered by timestamp.
- Given that the sorting feature is implemented correctly, when a user applies popularity sorting, posts will be ordered by number of comments and timestamp
- Given that the sorting feature is implemented correctly, when a user applies “hot” sorting, posts will be ordered by upvotes and timestamp

### User Story #42

As a user, I would like to be able to see which washing machines are currently in use in each dormitory.

#	Description	Estimated Time	Owner
1	Evaluate laundry machine APIs (Research - washers)	2 Hrs	Bryan
2	Develop UI for the washing machines status page	4 Hrs	Bryan
3	Integrate API calls for selected residence hall locations	2 Hrs	Bryan
4	Parse API data + inject into UI	3 Hrs	Bryan
4	Test API integration for accurate information and retrieval	1 Hr	Bryan
5	Test UI (responsiveness + overall appearance)	1 Hr	Bryan
User Story #63 Total Hours		14 Hours	

### Acceptance Criteria:

- Given that the living page UI is built correctly, when a user clicks the link to see laundry machine statuses, they should be taken to the dedicated information page of the laundry machine statuses.
- Given that the data is parsed correctly, when a user clicks a dropdown menu of residence halls, they should be able to select which residence hall they'd like to see information for.
- Given that the data is parsed and injected into the UI correctly, when a user views the washers at a residence hall, there should be information about the washer status, time remaining, and identification.
- Given that a valid API is correctly implemented into our project, when a user views washer statuses, the data should be consistent with the information from Purdue's own laundry-alert status application.
- Given that the UI is built correctly, when a non-authenticated user attempts to access information on the washing machine status, they will be blocked and redirected to the landing page.

### User Story #43

As a user, I would like to be able to see which dryers are currently in use in each dormitory.

#	Description	Estimated Time	Owner
1	Evaluate laundry machine APIs (Research - dryers)	2 Hrs	Bryan
2	Develop UI for the drying machines status page	4 Hrs	Bryan
3	Integrate API calls for selected residence hall locations	2 Hrs	Bryan
4	Parse API data + inject into UI	3 Hrs	Bryan
4	Test API integration for accurate information and retrieval	1 Hr	Bryan
5	Test UI (responsiveness + overall appearance)	1 Hr	Bryan
User Story #64 Total Hours		14 Hours	

### Acceptance Criteria:

- Given that the living page UI is built correctly, when a user clicks the link to see drying machine statuses, they should be taken to the dedicated information page of the dryer machine statuses.
- Given that the data is parsed correctly, when a user clicks a dropdown menu of residence halls, they should be able to select which residence hall they'd like to see information for.
- Given that the data is parsed and injected into the UI correctly, when a user views the washers at a residence hall, there should be information about the dryer status, time remaining, and identification.
- Given that a valid API is correctly implemented into our project, when a user views washer statuses, the data should be consistent with the information from Purdue's own dryer-alert status application.
- Given that the UI is built correctly, when a non-authenticated user attempts to access information on the drying machine status, they will be blocked and redirected to the landing page.

### User Story #69

As a user, I would like to filter sell-listing items by their listing-type.

#	Description	Estimated Time	Owner
1	Create dropdown UI options for listing-types in create listing	2 Hrs	Bryan
2	Create input validation and backend firebase connection with submission listing type for sell object	3 Hrs	Bryan
3	Create UI for marketplace landing page to include a dropdown with defined types	2 Hrs	Bryan
4	Develop filtering algorithm to separate sell-listings that match the selected dropdown type	4 Hrs	Bryan
4	Test execution logic of type-filtering	1 Hr	Bryan
5	Test user experience of type-filtering	1 Hr	Bryan
User Story #69 Total Hours		12 Hours	

#### Acceptance Criteria:

- Given that the marketplace create-listing link is built correctly, when the user is on the create-listing page, there should be an input form where the user must select a sell-listing type for their listing.
- Given that the marketplace landing page UI is built correctly, when the user is on the marketplace page, they should see the listing-type on each tile and on its sell-listing info page.
- Given that the marketplace landing page UI is built correctly, when the user is on the marketplace page, they should see a dropdown menu of listing types.
- Given that the marketplace dropdown bar is implemented correctly, when the user selects a listing-type from the menu, only sell-listings with that listing-type will appear on the landing page.
- Given that the marketplace dropdown bar is implemented correctly, when the user has no selected listing-type from the menu, all sell-listings will appear on the landing page.

## Current Total: Hours

Name	Estimated Time
Aaron Cox	40 Hrs
Yu-Lun Gao	36 Hrs
Michael Maganini	40 Hrs
Raziq Ramli	45 Hrs
Matthew Story	38 Hrs
Bryan Wang	40 Hrs

## Remaining Backlog

### Profile

- ~~1. As a user, I would like to create a new account with my own email address.~~
- ~~2. As a user, I would like to edit my profile.~~
- ~~3. As a user, I would like to delete my account.~~
- ~~4. As a user, I would like to have a unique username.~~
- ~~5. As a user, I would like to have a profile with a brief bio and image.~~
- ~~6. As a user, I would like to be able to change my password for my account.~~
- ~~7. As a user, I would like to be able to log in.~~
- ~~8. As a user, I would like my password to be obscured when I type it to log in.~~
- ~~9. As a user, I would like to be able to log out.~~
- ~~10. As a user, I would like to reset my password if I forget it.~~
- ~~11. As a user, I would like to check other user profiles.~~
- ~~12. As a user, I would like to choose between light and dark mode (if time allows).(Allen)~~
- ~~13. As a user, I would like to hide my profile from users (if time allows).~~
- ~~14. As a user, I would like to choose specific features from the site to be saved (if time allows).~~

### Events Board

- ~~15. As a user, I would like to be able to add events to my Purdue club~~
- ~~16. As a user, I would like to be able to create public personal events.~~
- ~~17. As a user, I would like to be able to edit an event I created.~~
- ~~18. As a user, I would like to be able to delete an event I created.~~
- ~~19. As a user, I would like to be able to view a list of Purdue events.~~
- ~~20. As a user, I would like to be able to view public personal events (if time allows).  
(Redundant)~~
- ~~21. As a user, I would like each event to have an information page.~~
- ~~22. As a user, I would like to be able to filter some events based on some criterias.~~
- ~~23. As a user, I would like to be able to RSVP to club events (if time allows).~~

24. As a user, I would like to see past events be hidden from my feed (if time allows).  
(Redundant)
- ~~25. As a user, I would like to edit club events if I have permission.~~
26. As a user, I would like to see the events posted on the boiler links website to be listed on this application as well (if time allows).

### **Club Pages**

- ~~27. As a user, I would like to be able to create a new club.~~
- ~~28. As a user, I would like to be able to manage user permissions of the club if I am a creator.~~
- ~~29. As a user, I would like to be able to view a list of clubs available at Purdue.~~
- ~~30. As a user, I would like to be able to search the list of Purdue clubs.~~
- ~~31. As a user, I would like to be able to navigate to a club info page.~~
- ~~32. As a user, I would like to be able to edit a club's information if I have necessary permission.~~
33. As a user, I would like to have access to delete the events that automatically added into the events board. (Redundant)
34. As a user, I would like to see a list of events that a club is holding on their page.  
(Redundant)
35. As a user, I would like to see the clubs created in the boiler links official website to be listed on this application as well (if time allows).

### **Living**

- ~~36. As a user, I would like to be to view a labeled map with bus stops and routes that run through the Purdue campus~~
37. As a user, I would like to be able to view a bus route's next stop. (Don't choose; this is impossible)
- ~~38. As a user, I would like to be able to view a list of all Purdue dining halls.~~
- ~~39. As a user, I would like to be able to view daily menus for each dining hall.~~
- ~~40. As a user, I would like to be able to check how crowded each dining hall is.~~
- ~~41. As a user, I would like to be able to check how crowded different sections of the Purdue GoRec are.~~
- ~~42. As a user, I would like to be able to see which washing machines are currently in use in each dormitory.~~
- ~~43. As a user, I would like to be able to see which dryers are currently in use in each dormitory.~~

### **Marketplace**

- ~~44. As a user, I would like to be able to create sell listings on the marketplace.~~
- ~~45. As a user, I would like to be able to see a list of sell listings on the marketplace.~~
- ~~46. As a user, I would like to edit my sell listing on the marketplace.~~
- ~~47. As a user, I would like to delete my sell listing on the market place.~~
- ~~48. As a user, I would like to be able to set a sell price and item description for my sell listings.~~
- ~~49. As a user, I would like to be able to list my contact information to potential buyers.~~

- ~~50. As a user, I would like to be able to include an image of the item I am selling in my sell listings.~~
- ~~51. As a user, I would like to be able to message other students on the marketplace about their listings (if time allows).~~

### **Class Forum**

- ~~52. As a user, I would like to be able to view class forums.~~
- ~~53. As a user, I would like to post on class forums.~~
- ~~54. As a user, I would like to edit my post.~~
- ~~55. As a user, I would like to delete my post.~~
- ~~56. As a user, I would like to comment on posts.~~
- ~~57. As a user, I would like to comment on comments.~~
- ~~58. As a user, I would like to edit my comment.~~
- ~~59. As a user, I would like to delete my comment.~~
- ~~60. As a user, I would like to filter posts by popularity or recency (if time allows).~~

### **Other/Newly Added**

- ~~61. As a user, I would like to install this web application on my desktop and mobile devices as a progressive web app (if time allows).~~
- ~~62. As a user, I would like to be able to navigate to various pages on this website from a landing page.~~
- ~~63. As a user, I would like to be able to view a class forum post and all of its comments in a dedicated thread page.~~
- ~~64. As a user, I would like to see a tutorial on all the features that the site has.~~
- ~~65. As a user, I would like to view a list of posts from various forums in a single page.~~
- ~~66. As a user, I would like to sort posts from the forums page.~~
- ~~67. As a user, I would like to be able to view my profile photo on my profile page.~~
- ~~68. As a user, I would like to be able to upvote and downvote posts and comments~~
- ~~69. As a user, I would like to filter sell listing items by their listing type.~~