

# Sprint 3 Plan

Team 6 -- *papaya*

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Members: Ben Maxfield, Christian Lock, Caleb Flynn, Scott Hanberg, Adam Johnston

Scrum Master: Ben Maxfield

Scrum Meetings: Tuesdays @ 7pm

## Sprint Overview:

### **Overview:**

During this sprint we will be wrapping up the last major features. One on our app: a messaging board available on each session page. And for the other we will be creating and completing a web browser page for professors' class management and analysis. On the app side we will also be fixing up missing and buggy parts of our app.

### **Risks and Challenges:**

The difficulty with this sprint will be creating everything in a more strict timeframe. This sprint we really only have 2 weeks, and we can no longer push off late stage bug fixes to the next sprint. As far as the requirements that must be completed, posting and the browser client are both really big parts of the project. The browser is a completely new client interface, so we will be starting from the bottom there. And posting requires us to add another data flow from the backend. In order to complete this in time, we will have to spend as much time as we can in the areas we are most competent in, regardless of our preference for the work.

## Sprint Detail:

### User Stories:

#### User Story #1:

*#9. As a user I would like to invite a friend to a study session.*

Description	Time	Person
Integrate Lambda call to refresh notification if invite is received	6	Adam
Integrate Lambda function to invite friend to study session	6	Adam
Integrate notification popup that a user has been invited	4	Scott
Add test to testing suite to check for invite notification refresh	2	Scott
Create button on the sessionInfo activity to invite a friend	6	Caleb
Create popup for the invited user to respond to invite	8	Caleb

#### Acceptance Criteria:

- Given a user has joined a study session, when the user clicks the UI to invite a friend, the other user is notified that they have been invited to the study session.
- Given a user has invited someone to a study session, when the user clicks the UI to invite a friend, the inviter is notified of the successful request to the database that their invitee will be notified when they open the app next.

#### User Story #2:

*#10. As a user I would like to post to an active study session to communicate with those who are a part of it.*

Description	Time	Person
Create Lambda function to post to study session comments board	5.5	Adam
Create UI for study session comments board	6	Christian
Create Lambda function to retrieve comments for study session	5.5	Adam
Add functionality appside to update comments board	8	Christian
Create the posts table in the database	2	Adam

**Acceptance Criteria:**

- Given the user posts to a session message board, then other any other user in the class will be able to see the post, with the user's message, username, and role within the class (TA, professor, student).

**User Story #3:**

*22. As a TA, I would like to post and view comments to an active study session*

Description	Time	Person
Make TA posts appear differently on the comments board	2	Caleb

**Acceptance Criteria:**

- Given that a User is a TA, he can post in the same area as Student Users post.
- Given that a User is looking at the posts, he can differentiate between Student and TA posts

**User Story #4**

*25. As a TA, I would like to post and view comments with role to an active study session*

Description	Time	Person
Make Professor posts appear differently on the message board	2	Caleb

**Acceptance Criteria:**

- Given that a User is a professor, he can post in the same area as Student Users post.
- Given that a User is looking at the posts, he can differentiate between Student and professor posts.

**User Story #5:**

*#11. As a student I would like to remove my post from public view at an active study session.*

Description	Time	Person
Create Lambda function to mark comment as hidden from other users	5	Adam

**Acceptance Criteria:**

- Given a user posts a comment previously, he/she will be able to hide the comment with the press of a button.

#### **User Story #6:**

*#19. As a professor I want to see who has been to a study session.*

Description	Time	Person
Write Lambda function to dump the data about what users have been to what sessions.	6	Caleb
Create Download button to reference API call.	1	Ben
Convert JSON returned from Lambda function to a CSV or some Excel open-able format.	10	Ben

#### **Acceptance Criteria:**

- Given a User is a Professor and is looking at the website, they can see a list of students in a class and the study sessions they have attended in a file downloadable and viewable in Microsoft Excel.

#### **User Story #7:**

*#20. As a professor I want to see the dates of the past study sessions.*

Description	Time	Person
Create Download button to reference API call	1	Ben
Create lambda function to return all current and past study sessions and their corresponding dates	7	Scott
Convert JSON returned from Lambda function to a CSV or some Excel open-able format.	10	Ben

#### **Acceptance Criteria:**

- Given a user is a professor and is looking at the website, they can see a list of study sessions and all associated data about the session, including the date of the study session.

#### **User Story #8:**

*#21. As a professor I want to view the topics discussed from past study sessions*

Description	Time	Person
Create Download button the reference API call	1	Ben
Create lambda function to return a list of both current and past study sessions and their corresponding descriptions	7	Caleb
Convert JSON returned from Lambda function to a CSV or some Excel open-able format.	10	Ben

**Acceptance Criteria:**

- Given the User is a Professor, they can view all associated data of every study session that has been made in their class.

**User Story #9:**

*#27. As a TA, I want to remove any post on any active study session*

Description	Time	Person
Create UI option for professor and TA's to remove comments	2	Scott
Update UI to make removed comments invisible to all users	4	Scott

**Acceptance Criteria:**

- Given that the User is a TA looking at the posts, they can remove a post sent by a student so they won't be visible.

**User Story #10:**

*#24. As a professor, I want to remove any student post on any active study session*

Description	Time	Person
Check role for being a professor and give same permissions as TA above	2	Christian

**Acceptance Criteria:**

- Given that the User is a professor looking at the posts, they can remove a post sent by a student so they won't be visible

# PRODUCT BACKLOG

(Working Progress: 33/37, Functional Progress: 22/22)

*Only 31 stories are required, and 7 of the stories are "if time allows".*

## Functional

- **As a User, I would like to:**
  1. Log in to the app
  2. Create a study session
  3. Display to other users what topics will be studied at the study session and other session specific data (a session description)
  4. Show I joined a study session
  5. Set a time frame that the study session will be active
  6. Have my study session's location displayed
  7. End study sessions when the host has left the nearby area
  8. Filter what study sessions appear on the map based on class
  - 9. Invite people to a study session**
  - 10. Post to an active study session to communicate with those who are a part of it**
  - 11. Remove my post from public view at an active study session**
  12. Share files (if time allows)
  13. View active study sessions that are near me on a map
  14. Create a study session for the future (if time allows)
  15. Filter study sessions viewable by time frame (if time allows)
  16. Add friends to a friends list
  17. Have friends appear differently on maps
  18. See which other users are at which active study sessions
- **As a professor, I would like to:**
  - 19. See who has been to a study session**
  - 20. See the dates of the past study sessions**
  - 21. View the topics discussed from past study sessions**
  - 22. Post and view comments to an active study session**
  23. Create professor sponsored study sessions without having to be located nearby
  - 24. Remove any post on any active study session**

- **As a Teaching Assistant, I would like to (all if time allows):**
  - 25. Post and view comments with role to an active study session**
  - ~~26. Create TA-sponsored study sessions without having to be located nearby~~
  - 27. Remove any student post on any active study session**

## **Non-functional**

- ~~28. We must be able to use the app on an android device.~~
- ~~29. We must be able to use the app on an apple device (if time allows).~~
- ~~30. The app must implement location (and GPS) services.~~
- ~~31. The app will integrate a back-end web service using AWS, to manage all user data.~~
- ~~32. Interface will be simple and user friendly.~~
- ~~33. The app will have fast response times, with no back-end call delay above a second.~~
- ~~34. Our app will prevent security and privacy breaches. All data will be encrypted during transit between our service and our client (HTTPS). And all necessary client encryption keys and passwords will be stored as securely as possible on the client devices (Android Keystore System on Android devices).~~
- ~~35. Our app will enforce user roles (student, professor, teaching assistant) and their associated permitted actions.~~
- ~~36. The app will be accessible on all screen sizes and resolutions but will be built primarily for late-generation Android, iPhone and large browser screens.~~
- ~~37. The app and backend service should support at least 100 concurrent users during this development phase.~~