

Team 3 Sprint 2 Planning Document for “Classical”

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Sprint Overview

For our second sprint of CS307, we plan on prioritizing the website and server, and working closely to create a standard set of requests and communication protocols that all platforms can easily employ.

Our goal for this sprint is to finish as much server work as possible, so that the mobile platforms can work with a live server.

Scrum Master: Shawn Nirappil

Scrum Meetings: Mondays Tuesdays 3:00pm, Thursday 3:00pm, Friday 10:00pm

Risks / Challenges:

1. App development is significantly harder than anticipated, so completing all of the apps by the deadline will be a challenge.
2. Apache Tomcat has many difficulties associated with it, especially when dealing with newer technology like websockets.
3. Creating a server communication protocol accessible from every platform that is also documented enough for our mobile developers will require a lot of work.
4. Uneven development given that focus is shifted away from mobile platforms
5. Navigating through Purdue.io's API and accessing Purdue Career Account information

Current Sprint Detail

A grey box denotes a user story (with respective story number attached), any subsequent white boxes are tasks in the user story we will be completing this sprint

Backend	Time to complete (hrs)	Members responsible
1. As a user, I would like to have a secure login to this app using myPurdue account		Mitch, Shawn
Have the server handle login to myPurdue	5	Mitch
Secure the login to myPurdue	2	Mitch
Insert courses into the database	5	Shawn
6. As a user, I would like to be able to ask questions about the courses on the forum		Shawn
Log forum posts and replies into database	3	Shawn
28. As a teaching assistant/Professor, I would like students to be able to report offensive or rule-breaking posts		John
Continue adding message features such as upvoting and reporting	5	John
Begin basic implementation of the report system: includes forwarding posts and messages to instructors	10	John
8. As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.		Shawn
Use Websockets to create chat server	2	Shawn
Implement MessageHandler to split messages received by server to only go to those in a given courses' chat room with threading	8	Shawn
Log messages into messages DB	2	Shawn

3. As a user, I would like to be able add and remove classes from my class schedule		John, Shawn, Mitch
Formalize schedule output format so that each platform can handle it	2	John
Pull schedule from myPurdue	10	John
Research how schedule is formatted in myPurdue and convert to our desired output (JSON)	3	John
Insert schedule into database	5	Shawn
Insert events into database	5	Shawn
Document externally facing server functions for the purposes of unifying the direction of our other platform developers	3	Mitch

Platform: Web	Time to complete (hrs)	Members responsible
1. As a user, I would like to have a secure login to this app using myPurdue account		Mitch
Implement secure login connection	2	Mitch
2. As a user, I would like to view my class schedule in a quick and concise manner		Mitch
Implement our event downloading from the server	2	Mitch
4. As a user, I would like to be able to add, edit, and remove events from my class schedule		Mitch
Add an edit option for events	1	Mitch
Implement event editing with the server	1	Mitch
6. As a user, I would like to be able to ask questions about the courses on the forum		Mitch
Implement Post loading in the forum from the server	1	Mitch
Implement bulk post/reply loading from the server	0.5	Mitch
8. As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.		Mitch
Add an 'online users' box to see who is currently online	2	Mitch
Add bulk message downloading	0.5	Mitch

Android	Time to complete (hrs)	Members Responsible
10. As a user, I would like to have a secure login to this app using myPurdue account		Tim
Implement login view: will contain separate username and password text fields, a submission button, feedback to success / failure and the logo	5	Tim
Send AES 256 encrypted login pair to server	5	Tim
13. As a user, I would like to be able to add and remove events from my class schedule		Luke
Implement events adding and deleting method.	5	Luke
Make schedule dynamically display courses and events.	20	Luke
14. As a user, I would like to edit event information pertaining to location and time		Luke
Make user be able to visit the details of events and edit them when clicking on the blocks	5	Luke
16. As a user, I would like to be able to vote on better or worse answers in forum topics		Tim
Create a new activity for each forum post with options to vote up the post and see replies	20	Tim

iOS	Time to complete (hrs)	Members Responsible
20. As a user, I would like to view my class schedule in a quick and concise manner		Mitch
Implement calendar viewing and event viewing	10	Mitch
24. As a user, I would like to be able to ask questions about the courses on the forum		Jintao
Implement the forum view of each class	5	Jintao
Allow user to reply on the post	5	Jintao
25. As a user, I would like to be able to vote on better or worse answers in forum topics		Jintao
Allow user to vote up for the reply in a post	7	Jintao
Sort the answer from the highest vote to lowest vote	8	Jintao
26. As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.		Jintao
Implement the chatting view of each class	5	Jintao

Backlog

User stories we will complete or finish parts of in this sprint are denoted by a strikethrough line

Functional requirements:

Web:

1. ~~As a user, I would like to have a secure login to this app using myPurdue account~~
2. ~~As a user, I would like to view my class schedule in a quick and concise manner~~
3. As a user, I would like to be able add and remove classes from my class schedule
4. ~~As a user, I would like to be able to add and remove events from my class schedule~~
5. As a user, I would like to edit event information pertaining to location and time
(COMPLETED)
6. ~~As a user, I would like to be able to ask questions about the courses on the forum~~
7. As a user, I would like to be able to vote on better or worse answers in forum topics
(COMPLETED)
8. ~~As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.~~
9. ~~As a user, I would like to be able to add/participate with the pages of classes that I'm not currently taking. (SCRAPPED)~~

Android

10. ~~As a user, I would like to have a secure login to this app using myPurdue account~~
11. As a user, I would like to view my class schedule in a quick and concise manner
12. As a user, I would like to be able add and remove classes from my class schedule
13. ~~As a user, I would like to be able to add and remove events from my class schedule~~
14. ~~As a user, I would like to edit event information pertaining to location and time~~
15. As a user, I would like to be able to ask questions about the courses on the forum
16. ~~As a user, I would like to be able to vote on better or worse answers in forum topics~~
17. As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.
18. ~~As a user, I would like to be able to add/participate with the pages of classes that I'm not currently taking. (SCRAPPED)~~

iOS

19. As a user, I would like to have a secure login to this app using myPurdue account
(COMPLETED)
20. ~~As a user, I would like to view my class schedule in a quick and concise manner~~
21. As a user, I would like to be able add and remove classes from my class schedule
22. As a user, I would like to be able to add and remove events from my class schedule
23. As a user, I would like to edit event information pertaining to location and time
24. ~~As a user, I would like to be able to ask questions about the courses on the forum~~
25. ~~As a user, I would like to be able to vote on better or worse answers in forum topics~~

- ~~26. As a user, I would like to have the ability to chat with classmates about both course related and unrelated topics in real time.~~
- 27. As a user, I would like to be able to add/participate with the pages of classes that I'm not currently taking. (SCRAPPED)
- ~~28. As a teaching assistant/Professor, I would like students to be able to report offensive or rule-breaking posts~~
- ~~29. As a teaching assistant/Professor, I would like to contact individual students through the application as a TA/Professor~~