**CS673 Software Engineering**

**Team 1 : Spring\_Alert**

**Meeting Minutes**

All meeting minutes are kept in this single document. The latest meeting minutes should be at the beginning of the document. For example, meeting 3 minutes is placed before meeting 2 in the document. The team leader should prepare a basic agenda for the meeting and team members should rotate to be the minutes taker. Each group should have at least one meeting per week, and you may have multiple meetings if needed.

**Date and Time:** 6/10/2024 5:30 PM - 6:15 PM EST

**Place**: Zoom and then follow on: Discord chat

**Participants:** Shenxiao Li, Jim Penner, Chaozheng, Jordany

**Minutes taker:** Sherry

**Time Keeper:** Jim

**Purpose:**  Discuss presentation and unit and integration tests

**Agenda:**

Sherry, Jim and Chaozheng continued to work on Notification Service including Unit and Integration tests.

**Discussion:**

Further permission tables discussion including other teams.

Access to Pivotal Tasker

Timing for doing demo presentatio and initial presentation. Due to time difference and JP having big day at work, he wasnt able to do Demo presentation.

**Action Items:**

* WOrk on and build out Test code, as we work to iteration 3
* Integration testing including testcontainers, and others.
* Chaozheng to work on Test code for User Management and liaise with Jordany
* Chaozheng please read professor comments re: Iteration1 pull request (feedback) - needs addressing

**Date and Time:** 6/9/2024 5:05 PM - 6:45 PM EST

**Place**: Zoom and then follow on: Discord chat

**Participants:** Shenxiao Li, Jim Penner, Chaozheng, Jordany

**Minutes taker:** Jim

**Time Keeper:** Chaozheng

**Purpose:**  Run through high level integration flowchart, and build out Notification service between Jordany and Sherry

**Agenda:**

Sherry has been discussing with Jordany re: Notification Service coding and Sherry working through some cockroaddb coding and connection

What has been built so far and next steps

Further develop Notification Service

**Discussion:**

Jordany updated us on the permissions tables

Updated on the High Level & Security document

CockroachDB set up and email & password settings

User Interface and token usage

Jordany has given Teams 2 & 3 access to Auth0

Log-in page at Auth0 - saw demo

UI has to talk to all backend services

Will we have time to build group management - still to decide (tomorrow)

Generating a token: server side pagination

Patch & Post functionality

Deleting some unnecessary code in Notification service

**Action Items:**

* Sherry continuing to work on yaml and Notification service
* Chaozheng to push Test code from JP to Iteration2
* Chaozheng to work on Test code for User Management and liaise with Jordany
* Chaozheng please read professor comments re: Iteration1 pull request (feedback) - needs addressing
* JP updating all minutes, STD, SPP, SDD, and building out presentation, complete with screen shots and speaker notes.
* JP coordinating next meeting for Zoom recording including Chaozheng, Sherry, Jordany for presentations, each: 2-3 minutes each maximum.
* JP will send order for presentation overnight.
* Sherry and Jordany continuing to liaise on User Management and Notification service code
* For next meeting discuss Pull request info from Iteration1 feedback.
* Code for tomorrow, all of us working on that.
* Next meeting on 6/10/24 from 5pm onwards, mainly focussed on Presentation, and discuss Integration testing.
* Next meeting on 6/12/24 from 7pm onwards, may be different meetings.

**Date and Time:** 6/8/2024 7:30 PM EST

**Place**: Discord chat

**Participants:** Shenxiao Li, Jim Penner, Chaozheng,

**Minutes taker:** Jim

**Time Keeper:** Chaozhen

**Purpose:** Quick catch up to delegate some testing and Notification Service tasks.

**Agenda:**

Sherry has been discussing with Jordany re: Notification Service coding and Sherry working through some demo on user management.

Jim to look at manual testing and integration testing, starting with Notification & User Management integration

Chaozheng to look at unit testing.

Jim to fix up STD, and also look as some unit testing on the JSon Notification system.

Jordany to show demo of Auth0 etc, and discuss pre authorisations.

Delegation of next tasks, and discussion around RESTful process

Pivot Tracker to be updated, and Sherry has maintained this well.

SPPP to be updated (JP to maintain and include in Iteration1)

**Discussion:**

* Jim to better delegate to team re: tasks.
* Jordany has been coordinating with each team, and therefore focussed on that at moment.

**Action Items:**

* Clarify features and what each will do next
* For next meeting discuss Pull request info from Iteration1 feedback.
* Code for tomorrow, all of us working on that.
* Next meeting on 6/9/24 from 5pm onwards, may be different meetings.

**Date and Time:** 6/3/2024 7:30 PM EST

**Date and Time:** 6/3/2024 7:30 PM EST

**Place**: Zoom call

**Participants:** Shenxiao Li, Jim Penner( note I have only 40 mins today), Chaozheng, Jordany, a

**Minutes taker:** Chaozheng

**Time Keeper:** Jim

**Purpose:** Obtain high level feedback from Trevor and view demo from Jordany

**Agenda:**

Jordany demo on user management. will be finish document and share to whole team

Deploy user management on Ranger

Data model set up

security configuration has been updated, cockroachlabs.cloud for database

swag config file need update

Jordany to show demo of Auth0 etc, and discuss pre authorisations.

Delegation of next tasks, and discussion around RESTful process

Pivot Tracker to be updated, and Sherry has maintained this well.

SPPP to be updated (JP to maintain and include in Iteration1)

**Discussion:**

* Continued discussion re: permissions.
* Testing lecture by professor on observer Pattern - SHerry is addressing this.
* Jim looking in to progressing User Management code, and we discussed suitable Design Patterns.

**Action Items:**

* Code for tomorrow, both Jim and Sherry working on that.
* Testing of Observer pattern.
* Next meeting on 6/ /24 at 7:30 pm EST.

**Date and Time:** 6/3/2024 7:30 PM EST

**Place**: Zoom call

**Participants:** Shenxiao Li, Jim Penner( note I have only 40 mins today), Chaozheng, Jordany, and Trevor

**Minutes taker:** Chaozheng

**Time Keeper:** Jim

**Purpose:** Obtain high level feedback from Trevor and view demo from Jordany

**Agenda:**

Initially let’s have any questions for Trevor. He may not be available for full 45 minutes

Jordany to show demo of Auth0 etc, and discuss pre authorisations.

Delegation of next tasks, and discussion around RESTful process

Pivot Tracker to be updated, and Sherry has maintained this well.

SPPP to be updated (JP to maintain and include in Iteration1)

**Discussion:**

* Continued discussion re: permissions.
* Testing lecture by professor on observer Pattern - SHerry is addressing this.
* Jim looking in to progressing User Management code, and we discussed suitable Design Patterns.

**Action Items:**

* Code for tomorrow, both Jim and Sherry working on that.
* Testing of Observer pattern.
* Next meeting on 6/ /24 at 7:30 pm EST.

**Date and Time:** 6/2/2024 7 -7:35 PM EST

**Place**: Zoom call

**Participants:** Shenxiao Li, Jim Penner,

**Minutes taker:** Jim Penner

**Time Keeper:** Sherry

**Purpose:** Initial discussion for Iteration2.

**Agenda:**

Delegation of next tasks, and discussion around RESTful process

Pivot Tracker to be updated, and Sherry has maintained this well.

SPPP to be updated (JP to maintain and include in Iteration1)

**Discussion:**

* Continued discussion re: permissions.
* Testing lecture by professor on observer Pattern - SHerry is addressing this.
* Jim looking in to progressing User Management code, and we discussed suitable Design Patterns.

**Action Items:**

* Code for tomorrow, both Jim and Sherry working on that.
* Testing of Observer pattern.
* Next meeting on 6/3/24 at 7:30 pm EST.

**Date and Time:** 5/28/2024 6:30 -7 PM EST

**Place**: Zoom call

**Participants:** Shenxiao Li, Jim Penner, Chaozheng,

**Minutes taker:** Jim Penner

**Time Keeper:** Sherry

**Purpose:** Coordinate docs and presentation for Git push and final progress report update.

**Agenda:**

Chaozheng showed progress with Iteration1 push

Sherry has updated general presentation slides along with Jordany

Ensure each member has updated progress report

Discussed STD, and JP updated glossary and references there.

Discuss SPPP (JP to maintain and include in Iteration1)

**Discussion:**

* JP to do general presentation, and will submit via blackboard if Github push already done.
* Have permissions been done.
* Everyone to update their progress tabs

**Action Items:**

* Chaozheng to try and solve git push issues including UML Class diagram, and presentations.
* Hunter: awaits cluster and docker container to build PostGress a straight forward API;
* Next meeting on 6/1/24 at 8 pm EST.

**Date and Time:** 5/27/2024 7:30 -8:15 PM EST

**Place**: Zoom call recorded

**Participants:** Shenxiao Li, Jim Penner, Jordany Arnaud, Chaozheng,

**Minutes taker:** Jim Penner

**Time Keeper:** Jordany

**Purpose:** Continue Iteration1 and delegate coding tasks and deadlines for team

**Agenda:**

Delegate SDDD document and initially discuss STD document and inputs while we meet.

JP to show the RabbitMQ and Springboot connection, and this can be put on Demo Video.

Need to delegate video to new presenters for general presentation

Chaozheng to ensure that Iteration1 in GitHub is loaded before submit Iteration1

Discuss next coding requirements.

Choose platform

Discuss access control roles

Discuss SPPP (JP to maintain and include in Iteration1)

Ensure all team members keep up with their individual Progress report. May be useful to add to it with each task that you do.

**Discussion:**

* Sherry took us through demo on Notification service and rabbitMQ
* Delegated various tasks: Hunter to finalise permission definitions;
* JP update minutes
* Chaozheng to ensure Github is all set up.
* Everyone to update their progress tabs
* Working on SDD and STD
* Next meeting is 5/28/2024 6:30 pm

**Date and Time:** 5/22/2024 8 - 9:00 PM EST

**Place**: Zoom call recorded

**Participants:** Shenxiao Li, Jim Penner, Jordany Arnaud-

**Minutes taker:** Jim Penner

**Time Keeper:** Sherry Li

**Purpose:** Continue Iteration1 and delegate coding tasks and deadlines for team

**Agenda:**

Delegate SDDD document and initially discuss STD document

Discuss next coding requirements.

Choose platform

Discuss access control roles

Discuss SPPP (JP to maintain and include in Iteration1)

Ensure all team members keep up with their individual Progress report. May be useful to add to it with each task that you do.

**Discussion:**

* Mainly centred around PivotalTracker, lab2, and
* Jordany taking us through his Log-in User name & p’word, will get a token, UI gateway.
* Jordany aim to build minimal start ie signing in, change a page, something that requires an authentication.
* Next meeting is 22/5/2024 8 pm

**Date and Time:** 5/20/2024 8 - 9:00 PM EST

**Place**: Zoom call recorded

**Participants:** Shenxiao Li, Chaozheng Zhu, Hunter W. Jim Penner, Jordany Arnaud-

**Minutes taker:** Sherry L

**Time Keeper:** Hunter W.

**Purpose:** View Jordany Springboot code, and demos

**Agenda:**

**5.20**

* Review iteration-0 feedback

[CS673\_SPPP\_TeamFirst\_iteration 0.docx](https://docs.google.com/document/d/1XfCvxoU-kqus77pped11zxwoMOZc_G_3/edit)

* ~~Discuss User Stories & Allocation based on priority~~

<https://www.pivotaltracker.com/n/projects/2703926>

[user stories TODO](https://docs.google.com/document/d/1XCD5d5fJQwdT6NnIw3vt9X72rxV_hg-I8mfawVBg3pM/edit)

* ~~Each member build their own stories for their feature(each feature has two owners)~~
* Role & access control

[Access control-role based](https://docs.google.com/document/d/1886L96ML1df5P5G8fuaFXXrzWEO1tg7qoweXoFETocI/edit#heading=h.f7uanlfo4rlc)

* Demo regarding the security and a spring boot base-project structure proposal(Jordany)
* Build Coding Environment -SpringBoot(**Spring initializr** <https://start.spring.io/>)
* Code review template– setup(Chao)

[Code Review Template & Process Discussion](https://docs.google.com/document/d/1pxQcWj-AHufOmW9j7kjdaXyxjgP9ZlhcEXY5IoylTiQ/edit)

* List & possible tech stacks need to learn for each feature

[User Stories & Tech stacks discussion](https://docs.google.com/document/d/1NukbLngaOxa4oSEVJPKrOeYwYgV5YoxbrbVR7y1sJXA/edit)

* ~~How to make our communication more efficient? Take ownership.~~
* Weekly check-in status/Mid-point check-in

Updated user stories, and worked through Notification and user management ones.

Discussion around Role-based permissions, with some flexibility as per Hunter discussion on specific use case needs.

Viewed and worked on PivotalTracker user stories, descriptions and Acceptance tests

Discussed Lab2 requirements on delegated user stories

Jordany showed screen and displayed his Springboot code, and it was decided to push to remote

**Discussion:**

* Mainly centred around PivotalTracker, lab2, and
* Jordany taking us through his Log-in User name & p’word, will get a token, UI gateway.
* Next meeting is 22/5/2024 8 pm

***Action Items:***

***JP to update…will review the last video as I had to leave for meeting.***

**Date and Time:** 5/17/2024 8 - 9:00 PM EST

**Place**: Zoom call recorded

**Participants:** Shenxiao Li, Chaozheng Zhu, Hunter W. Jim Penner, Jordany Arnaud-

**Minutes taker:** Chaozheng

**Time Keeper:** Jordany

**Purpose:** Begin iteration 1 and define roles and next steps

**Agenda:**

**5.16/17**

* Discuss User Stories & Allocation

[User Stories & Tech stacks discussion](https://docs.google.com/document/d/1NukbLngaOxa4oSEVJPKrOeYwYgV5YoxbrbVR7y1sJXA/edit)

* Each member build their own stories for their feature(each feature has two owners)
* Code review template– setup(need Chao set it up)

[Code Review Template & Process Discussion](https://docs.google.com/document/d/1pxQcWj-AHufOmW9j7kjdaXyxjgP9ZlhcEXY5IoylTiQ/edit)

* Build Coding Environment -SpringBoot
* List & possible tech stacks need to learn for each feature

[User Stories & Tech stacks discussion](https://docs.google.com/document/d/1NukbLngaOxa4oSEVJPKrOeYwYgV5YoxbrbVR7y1sJXA/edit)

* How to make our communication more efficient? Take ownership.
* Discuss Notification relationships.
* Weekly check-in status/Mid-point check-in

**Discussion:**

* API Specifications , request objects, share details with UI
* AKTA, AuthO, and other free software shared by Jordany
* Connect ID protocol, implement as well to AKTA
* Aim to build a single page to start: Log-in page User name & p’word, will get a token, UI gateway.
* Jordany aim to build minimal start ie signing in, change a page, something that requires an authentication.
* User management is also our domain
* User management stories were built out and delegated by Hunter
* Access control with UI, show that there is a notification
* Interaction vs Data discussion
* Name (including preferred name), StudentID, Email, What groups student is in. Nice to haves would be Profile Pic and Bio.
* Identify all potential users
* Various roles. Professors, facilitators, etc can be members of different groups.
* Discussion on what users can do: AccessProfile, UpdateDetails, etc
* Discussion on testing was started, Jordany mentioned about docker containers and trying free version.
* Professor suggested simplification of notification, ie don’t focus on sms due to the 6 week timeframe, but rather utilise google sign-in process for example.
* Jordany to connect with Brooke re: Springboot UI connectivity
* ***Team please add anything further here***

**Action Items:**

* JP building out UML Class diagram, for both Notification Management and User Management - includes relationships and methods;
* Hunter: awaits cluster and docker container to build PostGress a straight forward API;
* Jordany working on build of single page,
* Sherry to have discussion with Group / Team 3 re: various roles ie Teachers, Admin, etc so that we have unified user types. This will impact UML Class diagram too.
* Chaozeng to build out branches as discussed re: Iteration1
* Discuss coding at next meeting.
* Next meeting on 5/20/ at 8 pm EST.

**Date and Time:** 5/16/2024 8 - 8:20 PM EST

**Place**: Zoom call recorded

* **Participants:** Shenxiao Li, Chaozheng Zhu, Hunter W. Jim Penner -

**Minutes taker:** Hunter W.

**Time Keeper:** Jim Penner

**Purpose:** Quick post class 4th Meeting

**Agenda:**

* JP updated all on Professor Yuting and Brooke(Team 4) discussion around UI. Brooke mentioned having started on some Low-fi wireframes and needing to begin discussions with our team to navigate between the two…more in discussion below.
* Ensure PivotalTracker is set up for everyone.
* Discuss initial code and deadlines for some demo code potentially this week.

**Discussion:**

* Professor expressed importance of going through the whole software lifecycle and getting it right, not powering ahead. It is about quality not quantity.
* Jim mentioned to Brooke during class that we would get Jordany to discuss with her regarding Springboot, as Brooke was discussing about React during class.

**Action Items:**

* Discuss coding at next meeting.
* Jim working on UML class diagram and notes re: Class/Methods/Relationships and will have submitted this evening.
* Next meeting on 5/17/24 at 8pm EST.

**Date and Time:** 5/14/2024 9 - 9:45PM EST

**Place**: Zoom call recorded

* **Participants:** Shenxiao Li, Chaozheng Zhu, Hunter W. Jordany Arnaud -

**Minutes taker:** Jordany Arnaud

**Time Keeper:** Hunter W.

**Purpose:** Project 3rd Meeting

**Agenda:**

* Overview: motivation, purpose, potential users. DIscuss user stories
* Develop management plan further
* Initial Planning documents
* Coding standard, code review and code testing.
* Define project title and brainstorm major functionalities
* Notification Services: define notification requirements/user requirements -
* List tech stacks and tools need to learn, set time

**Date and Time:** 5/14/2024 9 - 9:45PM EST

**Place**: Zoom call recorded

* **Participants:** Shenxiao Li, Chaozheng Zhu, Hunter W. Jordany Arnaud -

**Minutes taker:** Jordany Arnaud

**Time Keeper:** Hunter W.

**Purpose:** Project 3rd Meeting

**Agenda:**

* Overview: motivation, purpose, potential users. DIscuss user stories
* Develop management plan further
* Initial Planning documents
* Coding standard, code review and code testing.
* Define project title and brainstorm major functionalities
* Notification Services: define notification requirements/user requirements -
* List tech stacks and tools need to learn, set time

**Discussion:**

* Coding review discussion on live coding and being able to present it verbally in front of team to get purpose and outcomes across clearly.
* Other coding review options discussed.
* Use of JUnit5, and Pivotal Tracker and RESTAssured and Postman. These should be sufficient for code consistency and bug testing.

**Action Items:**

* Add items to Iteration 0 within Google docs ready for first presentation
* Hunter to flesh out SEction 6.
* Add presentation slides and notes relevant to your part
* James and one other (any volunteers?) to present for Iteration 0 - ie proposal.
* Decide upon next meeting time via Discord.

**Date and Time:** 5/12/2024 8 - 9PM EST

**Place**: Zoom call recorded

* **Participants:** Shenxiao Li, Chaozheng Zhu, James Penner -

**Minutes taker:** James Penner

**Time Keeper:** Chaozheng Zhu

**Purpose:** Project 2nd Meeting

**Agenda:**

* make a shared timesheet?).
* Check on feedback from other groups? Are we able to define roles yet? - We chose notification and another group has too.
* Overview: motivation, purpose, potential users.
* Choice of branching strategies (git): <https://www.abtasty.com/blog/git-branching-strategies/> - professor discussed this today
* Check Monday for this week’s tasks including:
* Define project title and brainstorm major functionalities
* Notification Services: define notification requirements/user requirements -
* List tech stacks and tools need to learn, set time
* Develop Notification Logic

**Discussion:**

* one group is likely to UI part of project - tba;
* Is group 2 doing User Management and we are taking on Notification Management?
* API communication tool - will this be a whole class collaboration?
* Have started a brainstorm document to flesh out the various notifications that users may want.
* Began to flesh out the User stories, see Sherry Management Plan draft.
* Users, ie students can subscribe, or unsubscribe at end of term/at graduation.
* Users to get updates on class discussion posts, and grades etc
* Observer design pattern discussed as useful tool for enhancing code, those in attendance comfortable to use that feature, other design patterns may be considered. Add that to brainstorm if any suggestions/ideas come up.
* Springboot coding, need to determine who is most proficient in the team
* Sherry has set up Presentation document in TeamFirst Google docs.

**Action Items:**

* Add items to Brainstorm page
* Decide on Team Name: James suggestion: “AnythingIsPossible” - please provide suggestions either in Discord or Brainstorm page.
* Each person to advise on discord, which part of the presentation they would like to focus on
* Add presentation slides and notes relevant to your part
* Should we ask for extension? I know that I am travelling tomorrow and will find it difficult to make deadline, so shall we ask for 1 more day?
* James and one other (any volunteers?) to present for Iteration 0 - ie proposal.
* Decide upon next meeting time via Discord.

**Date and Time:** 5/9/2024 8 - 9PM EST

**Place**: Group Phone Call , Discord

**Participants:** Shenxiao Li, Hunter W., Jordany Arnaud, Chaozheng Zhu,

**Minutes taker:** Chaozheng Zhu

**Time Keeper:** Chaozheng Zhu

**Purpose:** Project Kickoff Meeting

**Agenda:**

* Determine microservice we need work on
* Assign roles of team members
* Decide communication plan
* Decide Project Management Tool

**Discussion:**

**Action Items:**

* Determine microservice we need work on
  + User Management
* Assign roles of team members

| Lead Role | (Java/Springboot)  Microservices? |
| --- | --- |
| Team Leader | Jim Penner |
| Requirement Leader | Shenxiao Li |
| Design and Implementation Leader | Jordany Arnaud  Hunter W. |
| Configuration Leader | Chaozheng Zhu |
| QA Leader | Hunter W. |
| Security Leader | Jordany Arnaud |

* Communication Plan
  + Meeting each Friday and Sunday 8pm EST - ***Friday extremely difficult for me…any flexibility for say Wednesday?(your time)***
  + Discord for regular discussion
  + Google Drive for folder share
* Decide Project Management Tool
  + Monday.com –Sherry in charge of it

**Action Items:**

* SPPP draft document
  + Project proposal - Jordany
  + Management Plan - Sherry
  + QA Plan Hunter
  + Configuration plan – Chao,Jordany
  + Identify risks and risk retirement plans. Estimate the time, make an initial schedule of iterations (Jim?) ***- yes, happy to do this.*** Define quality metrics and the techniques to assure quality (Hunter).
* Submission SPPP(including the Risk Management spreadsheet (TBD, Jim? - ***yes will work on this***)) presentation (TBD ***- am happy to be involved in first presentation, and I believe we all need to be involved in 2, ie one iteration and the final presentation***), meeting minutes (Chao), and weekly report (Sherry). All should be archived in the GitHub repository.
* Brainstorm user story for our project details, need discuss on Next Sunday

Next Meeting Agenda (can add here if anything want talk through next meeting)

* User story for our project, which kind of detailed functionality we want to achieve.
* Someone needs to be in charge of recording time worked each week (maybe we should make a shared timesheet?).
* Check on feedback from other groups? Are we able to define roles yet?
* Overview: motivation, purpose, potential users.
* Choice of branching strategies (git): <https://www.abtasty.com/blog/git-branching-strategies/> - professor discussed this today
* Check Monday for this week’s tasks including:
* Define project title and brainstorm major functionalities
* Notification Services: define notification requirements/user requirements
* List tech stacks and tools need to learn, set time
* Develop Notification Logic