

## **CS673 Software Engineering**

**Team 3 : Team 3**

### **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.

### **Meeting: 6**

**Date and Time:** 10/06 6:00pm

**Place:** zoom

**Participants:** Jianle Xie, Abigya Devkota, Yuxuan Wang

**Minutes taker:** Jianle Xie

**Timekeeper:** Jianle Xie

**Purpose:** Project check-in

#### **Agenda:**

- Review feedbacks
  - Overall very good, just need to focus on some areas:
  - STD: Try to add a little more to the summary to explain what kind of tests you will be incorporating. It could use a few more manual tests and automated tests. These can test not just that the code works, but that if it fails properly, like your one security test.
  - All updates to the documents: use the revision history section to show when and who made updates.
  - Deployment: worth considering
- Security is currently implemented onto the backend (success)
  - Zhiwei will be doing a ppt and demo on security
  - but integration to front/back is still progressing
  - Weihao will be doing ppt and demo on security testing
- Ppt and demos will be uploaded to the google share folder

#### **Discussions:**

- Continue to test and document all tests onto STD please!!

#### **Key Decisions / Action Items**

- Jianle will continue to integrate back/front/security
- Everyone will continue to test and document their testing onto STD

## **Meeting 5**

**Date and Time:** 9/24

**Place:** Zoom

**Participants (sign-in):** Jianle Xie, Abigya, Jingjing, Haolun, Yuxuan, Weihao

**Minutes taker:** Abi

**Timekeeper:** Abi

**Purpose:** Iteration 1 submission discussion

### **Agenda: Discussion deliverables for iteration 1**

- Combined frontend with backend and database
- Security work will get merged if we have time before the due date - Able to run frontend and backend together using terminal

### **Action items:**

- 1) Merge changes from “backend&database” to “backend-database-frontend” 2) Plan security and login work for next iteration
- 3) Try to dockerize frontend and backend
- 4) Prepare for presentation/iteration 1 submission

## **Meeting 4**

**Date and Time:** 9/20

**Place:** Zoom

**Participants (sign-in):** Jianle Xie, Abigya, Jingjing, Zhiwei, Yuxuan

**Minutes taker:** Jianle

**Timekeeper:** Jianle

**Purpose:** Iteration 1 part 3

### **Agenda:**

- Go over feedbacks
- Project plan:
  - Backend
    - Backend: SpringBoot + Database construction
      - Develop Class diagram -> IntelliJ draw diagram plugin
    - Develop database, tables and queries
      - Check SDDD overall requirements for database design

- Basic CRUD queries
  - Make dummy entries for testing
- Develop all necessary methods from data retrieval to business logic (MVC model)
  - Will work off controller for all basic CRUD queries
- Front
  - Develop React pages for login, staff view, manager view
  - Explore React functionalities
- Security
  - Integrate spring Security dependency
  - Work the dummy EMS\_V1 to test security
    - Explore security functionalities to incorporate different user authentication and authorization
  - Integrate Jwt

#### Key decisions:

- Jingjing and Yuxuan will focus on backend
  - Database development
  - Class development
  - Method development
  - MVC architecture
- Jianle and Abigya will focus on frontend
  - React development
- Zhiwei and Weihao will focus on security
  - Security will implement JWT authentication
  - Zhiwei's business logic might need to be re-edited to fit Jingjing/Yuxuan's backend configuration
- Any design changes to each sub\_team's part will need to be updated accordingly to the SPPP/SDD
- Each component will individual testing
- Integration will happen later
- Next tentative meeting will be on Sunday - time tba via discord

### Meeting 3

**Date and Time:** 9/16

**Place:** Zoom

**Participants:** Zhiwei, Abigya, John, Haolun, Yuxuan, Jingjing, Weihao

**Minutes taker:** Abigya

**Timekeeper:**

## **Purpose: Iteration 1 part 2**

### **Agenda:**

- Go over SDD
- Software Architecture: Discussed high level software architecture diagram with team. (Abigya)
- UI design: Discussed high level UI design with team. (John)
- Security Design: Discussed about possible and feasible security requirements.(Weihao)
- Business logic/Key algorithm: Discussed business logic and key algorithm with team. (Zhiwei)
- Design Pattern: Discussed project design pattern. (Yuxuan)
- Remaining design documents are the database design and class diagram.

### **Next Meeting:**

Date: 9/19/2023 or 9/20/2023 (5:15-6pm) or (6-7pm) to be finalized on Discord.

### **Key Decisions:**

1. Team members to update their progress report.
2. Team members to update design documents to SDD.
3. John will send the shell spring project to team members to familiarize them with the backend code and database settings.

## **Meeting 2**

**Date and Time:** 9/14

**Place:** Zoom

**Participants:** Abigya, Jianle, WeiHao, Yuxuan, Jingjing

**Minutes taker:** Jianle Xie

**Timekeeper:** Jianle Xie

**Purpose:** Iteration 1

### **Agenda:**

- Review SPPP.2\_Review\_Related\_Work
- Update/Review SPPP.3\_Propose\_High\_Level\_Requirement
  - Create user stories (Lab2)
  - Requirement Leader can move some into the current iteration?
- Update/Review SPPP.4\_Risk\_Management
- Update/Review SPPP.6\_Quality\_Assurance\_Plan.Metrics
  - Number of user stories?

- SDD
  - Software Architecture: abigya
  - Class diagram: Jingjing
  - UI design: John
  - Database Design:
  - Security Design: weihao
  - Business logic/Key algorithm: Zhiwei
  - Design Pattern: Yuxuan
- Iteration\_1 presentation:: Yuxuan + Jingjing
- Next meeting: Saturday/Sunday:
  - Jingjing: 5-6/6-7
  - Jianle: after 6pm
  - WeiHao: 6-7pm
  - Abigya: 6-7pm
  - Zhiwei Lin: 6-7pm
  - Yuxuan: 6-7pm
- Key decisions:
  - Saturday 6PM: please have design documents done

### **Meeting 1**

**Date and Time:** 9/9

**Place:** Zoom

**Participants:** Haolun Li, Jianle Xie, Yuxuan Wang, Abigya Devkota

**Minutes taker:** Jianle

**Timekeeper:** Jianle

**Purpose:** Project initial meeting

#### **Agenda:**

- Determine group name
- Determine project name
- Provide effort hours so far
- Finalize communication plan
  - Google group vs. Trello
- Find and discuss related works
- Brainstorm requirements
- Discuss risks
- Determine an approach/process to use
- Assign roles

## Discussions:

- Determine group name
    - Team3
  - Determine project name
    - HRMassery (an employee management system)
  - Provide effort hours so far
    - 24 hrs per person
  - Finalize communication plan
    - Discord, Google Doc.,
    - 2 meetings/per week:
      - Weekend: fixed day on weekend (tentative to either saturday or sunday) for everyone
      - Weekday: after 5:15pm for everyone
      - Jianle Xie:
        - Available days:
          - Monday 9/11, Thursday 9/14,
          - Week of 9/17-23: 9/21(THU), 22(FRI), 23(SAT)
          - Week of 9/24-30: 9/24(SUN), 27(WED)
          - Week of 10/1-7: 10/1(SUN), 10/5(THU), 10/7(SAT)
          - Week of 10/8-14: 10/8(SUN), 13(FRI), 14(SAT)
          - Week of 10/15-21: 10/15(SUN), 10/20(FRI)
      - Weihao Mai: 7-10 am and 6:30- 7:30 pm EDT. (Currently resides International)
      - Abigya Devkota: Works from 9-5pm M-F
      - Zhiwei Lin: have classes on Tuesday/Thursdays 18:00-20:45 EST
- Find and discuss related works
  - Comparing to modern day employee management systems
- Brainstorm requirements
  - 2 roles: user and admin
  - User: can edit name...attribute
  - Admin: delete/update user info
- Discuss risks
  - Time constraint risk: not enough time to implement and deploy all functionalities without bugs
  - Tech stack risk: different degree of familiarity with SpringBoot, Java...etc
- Determine an approach/process to use
  - Start with a demo/scratch -> continue to modify/enhance
  - Possibly some agile concepts/aspects - prototype and test driven
  - JUnit testing - test driven development
- Assign roles
  - Team Leader: lead and coordinate the whole team and help other lead

roles. Make sure the team can successfully complete the project on time:  
Jianle Xie

- Backup Team Leader: helps and coordinates the whole team alongside the Team Leader: Zhiwei Lin
- Requirement leader: manage and track the requirements using tools such as pivotal track. Work with the customers to decide the requirements.: HaoLun Li
- Design and Implementation leader: lead the design and implementation process, including designing the software architecture, choosing or creating coding standard, retiring the risks in implementation tools, frameworks, libraries etc.: Abigya Devkota
- QA leader: help choose or create quality metrics, review process, testing plan, reporting methods, and monitor mechanisms.: Yuxuan Wang
- Configuration and leader: help setup Git, IDE and other related devops tools. Help other members use these tools.: Jingjing Tang
- Security leader: lead and coordinate security activities throughout the project, including initial training, security requirements, vulnerability identification, security related testing, static analysis tools etc): Weihao Mai

### **Key Decisions**

**Team leader: Jianle Xie**

**Requirement Leader: HaoLun Li**

**Design and Implementation Leader: Abigya Devkota**

**QA leader: Yuxuan Wang**

**Project basic requirement: employee CRUD via Java-Springboot**

**Progress report and Lab\_1 by sunday night 9pm**

**Action Items:**

**Progress report and Lab\_1 by sunday night 9pm**

**Familiarize with git and spring boot concepts**