

CS673 Software Engineering

Team 1 : Eagles

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 2 Week 2

Date and Time: Sunday, 08 Sept 2024 9:35 PM EST

Place: Virtual Remote Discord

Participants: Ananya Singh, Battal Cevik, Natasya Liew, Natthaphon Foithong, Poom Chantarapornrat, Yujun Liu

Minutes taker: Natasya Liew

Timekeeper: END 10:26 PM EST

Purpose: Finalize Iteration 0

Agenda:

- Wireframe
- Architecture Design Decision
- CI/CD Setup Decision
- Automation Test Framework
- Progress Tracking Tool Decision
- Github Tickets
- User Story Points
- Database for content
- Model tuning
- SDD write up
- Finalize Business logic Proposals
- Finalize Security Design Ideas
- SDD write-up draft
- Finalize Team Name
- Finalize Product Idea
- Update on Design: Architect, Wireframe
- CI/CD Setup done
- Database done
- Model Finalizing

- Finalize Risks
- Finalize Requirements
- Finalize UI/UX Flow
- Finalize Design Pattern

Discussions:

- Team Name: Eagles
- On Progress Tracking Tool:
 - Using Gh issues to create tickets and Using Gh Projects to track progress
- CI/CD
 - Three branches: main, staging, development
 - Use the manual approval as auditing method
 - Turning on notifications
 - Using rollback mechanism for deployment failure
- Automation test framework
 - UI: using Selenium test ng
 - Backend: Rest assure for API
- Presentation schedule:
 - Iteration 0: Lead by the Java team (Ananya and Yijun/AJ)
 - Iteration 1: Natt and Battal
 - Iteration 2: Tash and Poom
 - Iteration 3: Full team
- Architecture:
 - Refer to the diagram
 - Split work division:
 - Springboot and DBMS integration: Ananya & AJ
 - Python AI service + MongoDB/DT Graph: Tash & Poom
 - Front-end: React Redux with Natt
 - QA + CI/CD mgmt: Battal
 - Do work in modular groups: arrange schedule internally; regroup on Sunday, 15th Sept after class.
 - Frontend: Reach Redux + API call using Fetch
 - Iteration 1:
 - Form for the input collection from user
 - mongoDB for courses based on the MSSD program
 - Create rules for the dt using a graph data structure & make
 - Level 0: program(root); Level 1: courses(child); Level 2: prerequisites(child of child)
 - Use points method and if-then statements to select the nodes to store in the variable, 'class_to_take'

- Python script for putting together Llama 2 with the mongodb retrieval and function to run the course_selector dt.
 - Postgresql for the user information/user mgmt
 - Springboot backend setup
 - Springbooth unit test
- Iteration 2:
 - Okta authentication
 - Change the input method for user
- Final dbms decision:
 - Postgresql for user mgmt
 - Mongodb for the AI chatbot feature
- Wireframe:
 - Decide to use the top right buttons, if have time allow the left navigation bar for preview of other chat history.
- On content for documents:
 - If free, add as much to your part or any that you can answer. Others edit onto that.
 - Same rules applies for creating ticket and project progress.

Key Decisions:

- **Team name**
- **Architecture**
- **techstack/framework**
- **Methodology**
- **Best practice**
- **Work division**

Action Items:

- SPPP documents
- Presentation of Iteration 0 and the video
- Progress tracking
- Lab1
- Design and code of decision tree
- MongoDB set up and data pushed
- Initial python script for AI chatbot
- Springboot/Postgresql setup
- Adding tickets to Gh issues/project
- Frontend code

Meeting 1

Date and Time: September 3, 2024 21:25 EST

Place: Remote Virtual Discord

Participants: Ananya Singh, Battal Cevik, Natasya Liew, Natthaphon Foithong, Poom Chantarapornrat, Yujun Liu

Minutes taker: Natasya Liew

Timekeeper: END 21:51 EST

Purpose: Planning and Work Division

Agenda:

- Finalizing Tech Stack
- Finalizing Work Division
- Finalizing Deadline and Meeting Schedules

Discussions:

- Determining project scope (What to do)
 - BU Software Development Course Builder Chatbot using Python (if have time expand in next iteration)
 - Database – MongoDB
 - Model – Llama 2
 - GUI using REACT
 - wireframe
 - CRUD using Java
 - Cache chat history
 - Sharing chat history via email/print
 - CI/CD setup
 - Architecture Design

Key Decisions:

- Front-End
 - Wireframe (Natt)
- Architecture Design (Natt/Ananya?)
- CI/CD Setup (Battal)
- Automation Test Framework (Battal)
- Database (Poom/Tash)
- Model (Poom/Tash)
- Github Tickets (Tash)
- SDD write-up (AJ/Ananya)
- Next Meeting: Sunday, 8th September 20:15 EST
 - Decide on group name
 - Next steps
 - Goal: finish model

Action Items:

- Wireframe
- Architecture Design
- CI/CD Setup
- Github Tickets
- Database for content
- Model tuning
- SDD write up
- List of Requirements Options
- List of Risks Options
- List of Business logic Proposals
- List of Security Design Ideas
- SDD write-up draft

Next Meeting Agenda:

- Finalize Team Name
- Finalize Product Idea
- Update on Design: Architect, Wireframe
- CI/CD Setup done
- Database done
- Model Finalizing
- Finalize Risks
- Finalize Requirements
- Finalize UI/UX Flow
- Finalize Design Pattern

