**CS673 Software Engineering**

**Team 3:** **Movie Masters**

**Meeting Minutes**

**Meeting 5**

**Date and Time:**  Saturday, 12 Oct 2024 10:00 AM EST

**Place:** Zoom (30 min) + Group WeChat Call (60 min)

**Participants:** Xuansheng Xia, Ziliang Ren, Mingyuan Xu, Xiaojuan Li, Hengyi Song

**Minutes taker:** Xiaojuan Li

**Timekeeper:** Xiaojuan Li

**Purpose:** Iteration 1 & Presentation Prep Meeting

**Agenda**:

* Overview Data Visualizations designed in iter1 (share screen in Zoom)
* Review key goals for Iteration 1

* Outline remaining tasks before submission
* Prepare for Presentation 1
* Allocate tasks for SDD and SPPP (updated part)
* Discuss Risks and Test plan
* Wrap up and next steps

**Discussion:**

* Overview Data Visualizations designed in iter1 (share screen in Zoom)
* Xuansheng(leader) led the discussion.
* Brainstorm any improvements to these visualizations and how to present them in demo
* Review key goals for Iteration 1
* Complete SDD and SPPP updated part
* Finish presentation ppt
* Provide live demo of 1-2 mins
* Deliver coding package
* Outline remaining tasks before submission
* Finish PPT
* Package coding parts
* Complete docs

* Update readme files in Github
* Prepare for Presentation 1
* Discuss outline of ppt
* Collect ideas and organize them for pre1
* Allocate tasks for SDD and SPPP (updated part)
* Discuss who is responsible for which part

* Discuss Issues and Risks
* Review any unresolved issues (Docker, testing, deployment)
* Assess any project risks or blockers that may delay submission

* Wrap-up and Next Steps

* Recap assigned tasks and deadlines
* Set up a follow-up meeting, if necessary, before submission
* Final thoughts and feedback from team members

**Key Decisions:**

* Overview Data Visualizations designed in iter1

We are going to present 7 to 8 visualizations in demo focusing on the core features

* Prepare for Presentation 1
* Allocate tasks for team members based on roles, skill sets and personal preferences
* Security Leader: Hengyi ( demo, architecture, user story, UI, Security )
* QA leader: Ziliang (DB, key algorithms, design patterns, test plan)
* Prepare for iteration 1
* Complete SDD and SPPP accordingly based on individual tasks

* Update all readme files (4) in Github --Xiaojuan Li
* Allocate tasks for SDD and SPPP (updated part)

**SDD**

* Intro – Xiaojuan Li
* Software Architecture & Class Diagram - Xuansheng Xia
* UI Design – Xiaojuan Li
* Database Design -- Xuansheng Xia & Ziliang Ren
* Security Design - Hengyi Song
* Business logic and/or key algorithms – Mingyuan Xu
* Design Patterns – Ziliang Ren

**SPPP Update**

* Proposed High level requirements –Xuansheng Xia & Xiaojuan Li
* Wrap-up and Next Steps
* Recap assigned tasks and deadlines
* Set up a follow-up meeting, if necessary, before submission

**Action Items:**

* Complete tasks in iteration 1 and keep learning new tools – all team members
* Submit progress report to Leader by noon Wednesday – all team members
* Complete presentation doc – involved team members

**Meeting 4**

**Date and Time:**  Monday, 7 Oct 2024 10:00 AM EST

**Place**: Group WeChat Call (60 min)

**Participants:** Xuansheng Xia, Ziliang Ren, Mingyuan Xu, Xiaojuan Li, Hengyi Song

**Minutes taker:** ziliang ren

**Timekeeper:**ziliang ren

**Purpose:** prepare for lab2 and assign the work for iteration1

**Agenda:**

* Review progress on coding tasks and documentation setup.
* Address any blockers or issues with project architecture.
* Finalize the user stories for Iteration 1.
* Discuss and assign presentation roles for the upcoming demo.
* Review SDD and SPPP document drafts.
* Plan for integrating the code and setting up a testing environment.
* Organize next steps for completing Lab 2 assignment.

Discussion:

Review Progress on Coding Tasks and Documentation Setup

* Xuansheng Xia led the meeting, starting with a recap of the tasks assigned in Meeting 3.
* Each member provided updates on their respective coding tasks and any issues faced.
* The setup of project files on Google Drive was confirmed, with all initial documents in place. Some members still need to upload their parts.

Address Any Blockers or Issues with Project Architecture

* Ziliang Ren and Hengyi Song addressed concerns related to the database structure and security design, respectively.
* Team members discussed architectural queries related to integrating the frontend and backend, focusing on ensuring smooth API communication.
* Xuansheng Xia provided clarification on the overall architecture plan, ensuring alignment with the SDD document.

Finalize the User Stories for Iteration 1

* The user stories were revisited based on the SPPP document. Xuansheng Xia and Xiaojuan Li confirmed that all required stories had been assigned.
* Minor adjustments were made to certain user stories to reflect the feedback from Meeting 3.

Discuss and Assign Presentation Roles for the Upcoming Demo

* It was confirmed that Hengyi Song and Mingyuan Xu would lead the demo for the upcoming presentation, with other members providing support for specific parts, including UI, database, and security.

Review SDD and SPPP Document Drafts

* The team reviewed the initial drafts of the SDD and SPPP documents. Xuansheng Xia highlighted key areas that required additional detail, such as the database design and security architecture.
* Team members discussed improvements for these sections, agreeing to finalize their parts by the next meeting.

Plan for Integrating the Code and Setting Up a Testing Environment

* Ziliang Ren and Hengyi Song proposed a timeline for integrating the codebase, ensuring there was ample time for testing.
* The team discussed creating a dedicated testing environment using Docker for easy deployment and integration testing.
* A preliminary testing plan was outlined, with a focus on core features.

Organize Next Steps for Completing Lab 2 Assignment

* Lab 2 tasks were reviewed, with the team confirming that all members were on track to complete their assigned parts by the end of the week.
* Xuansheng Xia reminded everyone to report their progress for Lab 2 in the next meeting.

Key Decisions:

* Finalize user stories for Iteration 1 and ensure all stories align with the SPPP document.
* Coding integration and setup of the testing environment to start next week, with a preliminary testing plan in place.
* Presentation roles confirmed for Hengyi Song and Mingyuan Xu.
* Complete drafts of the SDD and SPPP documents by the next meeting for final review.

Action Items:

* Finalize and upload all SDD and SPPP document parts by the next meeting – all team members.
* Complete Lab 2 assignment and report progress to Xuansheng Xia by Wednesday noon – all team members.
* Start preparing for code integration and testing environment setup – Ziliang Ren and Hengyi Song.
* Prepare for the demo presentation by refining user stories and focusing on key visualizations – Hengyi Song and Mingyuan Xu.

**Meeting 3**

**Date and Time:**  Friday, 1 Oct 2024 11:00 AM EST

**Place**: Group WeChat Call (60 min)

**Participants:** Xuansheng Xia, Ziliang Ren, Mingyuan Xu, Xiaojuan Li, Hengyi Song

**Minutes taker:**Xuansheng Xia

**Timekeeper:**Xuansheng Xia

**Purpose:** Review of Iteration 0 and Planning for Iteration 1

**Agenda**:

* Review feedback from Iteration 0 presentation.
* Recap on the presentation experience from Iteration 0.
* Discuss and assign presentation roles for Iteration 1.
* Outline main tasks for Iteration 1.
* Initial setup of documentation and project files on Google Drive.
* Assign user stories based on SPPP document features.
* Discuss division of tasks for writing the SDD document.
* Address architectural queries and begin coding for the project.

**Discussion:**

* Review Feedback from Iteration 0 Presentation
* Xuansheng Xia and Xiaojuan Li led the recap of the previous presentation, focusing on addressing the issues raised by the instructor, such as presentation duration and clarity.
* Discuss and Assign Presentation Roles for Iteration 1
* It was decided that Hengyi Song and Mingyuan Xu would take on the roles of presenters for the upcoming Iteration 1 presentation.
* Outline Main Tasks for Iteration 1
* The team reviewed the list of deliverables as outlined by the instructor, confirming the content for each document to be submitted.
* A preliminary setup of folders and documents was established on Google Drive.
* Emphasis was placed on completing the Lab 2 assignment next week, with specific user stories assigned according to the features listed in the SPPP document.
* Preliminary division of tasks for the SDD document was established.
* Begin Coding for the Project
* Detailed project roles were assigned, including database management, frontend development, and backend integration.
* A timeline for the project was set, ensuring all team members were clear on their deadlines and responsibilities.
* Addressed team queries regarding the project architecture, referring back to the software design documents and plans discussed earlier in the project setup phase.

**Key Decisions:**

* Iteration 1 Presentation Roles Assigned to:

Hengyi Song and Mingyuan Xu.

* Main Tasks for Iteration 1 Identified:
* Complete documentation setup.
* Focus on Lab 2 assignment.
* Distribute user stories.
* Finalize SDD document sections among team members.

**Action Items:**

* Complete tasks for Iteration 1: All team members to focus on their assigned parts and continue coding with the outlined project structure.
* Submit a progress report: Each member reports their weekly progress by noon next Wednesday to the team leader, Xuansheng Xia.
* Prepare for the next meeting: All team members gather necessary updates and be ready to discuss progress in the next scheduled meeting.

**Meeting 2**

**Date and Time:**  Friday, 20 Sept 2024 10:00 AM EST

**Place**: Group WeChat Call

**Participants:** Xuansheng Xia, Ziliang Ren, Mingyuan Xu, Xiaojuan Li, Hengyi Song

**Minutes taker:**Hengyi Song

**Timekeeper:**Hengyi Song

**Purpose:** Iteration 0 & Presentation Prep Meeting

**Agenda**:

* Determine project framework and architecture

* Discuss main requirements
* Prepare for Presentation 1
* Prepare for iteration 0
* Allocate tasks for SPPP
* Discuss RiskManagement

**Discussion:**

* Determine project framework and architecture

* Use a technology stack with **Python** and **Django** for backend development, handling server-side logic and database management.
* The frontend will be built with **HTML, CSS**, and **JavaScript**, using **ECharts** for data visualizations. **MySQL** will store the IMDb movie data.

* Discuss main requirements

* Functional - Essential:
* Interactive Movie Data Visualization

* Circular chart showing movie rating distribution.
* Line chart comparing ratings to awards won.
* Bar chart displaying the top 20 movie production companies.
* Pie chart representing the distribution of movie release years by intervals.
* Funnel chart showing the number of movies produced by country.
* Detailed Box Office and Genre Insights
* Radar chart showing box office performance based on movie ratings.
* Line chart visualizing the distribution of movies across different genres.
* Movie Duration and Language Diversity Analysis
* Histogram showing the frequency distribution of movie runtimes.
* Bar chart visualizing the number of movies produced in various languages.
* Functional – Desirable
* Review sentiment analysis
* Customizable data filters
* Functional – Optional
* Real-time data refresh
* Other cool features might be added in the future
* Nonfunctional
* Role-based access control
* Secure database management
* API security

* Prepare for Presentation 1 ()

* Outline of presentation
* Allocate tasks for team members based on roles, skill sets and personal preferences

-Leader: Xuansheng (Project Intro, Framework, Management plan, Essential requirements, Desirable requirements…)

-Requirement leader: Xiaojuan (Related work intro, demo if possible)

* Prepare for iteration 0

* Submit progress report by due date
* Complete SPPP accordingly based on individual tasks

* Allocate tasks - SPPP
* Discuss RiskManagement

**Key Decisions:**

* Determine project framework and architecture

Python with Django for the backend, HTML, CSS, and JavaScript with ECharts for the frontend, and MySQL to store IMDb movie data.

* Determine main requirements
* Functional - Essential:
* Interactive Movie Data Visualization
* Detailed Box Office and Genre Insights
* Movie Duration and Language Diversity Analysis
* Functional – Desirable
* Review sentiment analysis
* Customizable data filters
* Functional – Optional
* Real-time data refresh
* Other cool features might be added in the future

(Requirement details will be covered in SPPP doc.)

* Presentation 1
* Outline of presentation
* Allocate tasks:

-Leader: Xuansheng (Project Intro, Framework, Management plan, Essential requirements, Desirable requirements…)

-Requirement leader: Xiaojuan (Related work intro, optional requirements, nonfunctional requirements…)

* Iteration 0 tasks

Complete individual tasks timely and keep close collaboration to ensure smooth progress.

* Allocate tasks - SPPP

* Overview & Requirements - Xuansheng Xia
* Related Work – Xiaojuan Li
* Management Plan - Xuansheng Xia & Hengyi Song
* Configuration Management Plan – Mingyuan Xu
* Quality Assurance Plan – Ziliang Ren
* RiskManagement

draft in SPPP - Hengyi Song

**Action Items:**

* Complete tasks in iteration 0 and keep learning new tools – all team members
* Submit progress report to Leader by noon Wednesday – all team members
* Complete presentation doc – involved team members

**Meeting 1**

**Date and Time:**  Friday, 13 Sept 2024 10:00 AM EST

**Place**: Group WeChat Call

**Participants:** Xuansheng Xia, Ziliang Ren, Mingyuan Xu, Xiaojuan Li, Hengyi Song

**Minutes taker:**Xiaojuan Li

**Timekeeper:**Xiaojuan Li

**Purpose:** Project Kickoff Meeting

**Agenda:**

* Determine group name
* Determine project name
* Set progress report due
* Finalize communication plan
* Find and discuss related works
* Set up Git/GitHub
* Brainstorm requirements
* Discuss risks
* Determine an approach/process to use
* Assign roles

**Discussion:**

* Determine group name
  + Movie Masters
  + Data Wizards
  + Insight Elites

……

* Determine project name
  + IMDB Movie Review and Data Visualization Platform – too long
  + IMDB Data Platform – IDB
  + Movie Data Visualization Platform – MDVP

……

* Set Progress report due date
  + Members update the progress report weekly
  + Due date: each Wednesday
  + Need to decide start/end of week
* Week starts Monday, ends Sunday
* Finalize communication plan

* + WeChat Group – everyday communications, weekly meetings
  + Google Drive - upload and track all documents (including agenda, minutes, etc)
  + Git/GitHub – version controls
* Find and discuss related works
  + <https://www.bilibili.com/video/BV1A94y127qu/?spm_id_from=333.337.search-card.all.click&vd_source=369b00f99c15f6bb35635657e310a0c0>
    - Chinese movie visualization project
  + <https://www.salesforce.com/news/stories/imdb-tableau-movie-visualizations/>

* + - IMDB collaboration with Tableau

* + <https://www.novypro.com/project/imdb-dashboard>
    - IMDB Dashboard focused on financial analytics by PowerBI
  + <https://community.fabric.microsoft.com/t5/Data-Stories-Gallery/IMDB-Dashboard/m-p/3109237>
    - IMDB Dashboard focused on reviews by PowerBI

* + Our project is a **web-based visualization platform**, offering more diversified features and capabilities than a standard dashboard, which serves as a key differentiator.
* Git/GitHub

Compete lab1 by setting up Git/GitHub, manage version control and collaboration throughout the development process.

* Brainstorm requirements
  + Functional
    - Pie chart of the number of movies in the year of release
    - Scatter Plot of movie production companies and ratings
    - Radar chart of movie worldwide box office and ratings
    - Funnel plot of movie production countries/regions

……

* + Non-functional
    - Ensure that the platform is secure by restricting unauthorized access.
    - Secure database access and management
    - Other security considerations
  + Gather valuable information from IMDb by extracting data through web scraping techniques
* Discuss risks

* + New tools – Encourage self-learning when not understanding/knowing how to use tools
  + Keep it simple
  + Originality - what differentiates us from others?
  + Advanced/optional requirements - may be too time consuming
  + Limited time for project as a whole
* Project criteria

* + Usefulness - Our project will provide in-depth analysis of movie data, empowering entertainment fans and professionals to uncover and share insights from the IMDb database through visually compelling and intuitive presentations.
  + Complexity – It will be sufficiently complex.

* + Originality - The project is uniquely developed from the original ideas of our team leader, Xuansheng Xia, with input and collaboration from the entire team.
* Determine an approach/process to use
  + Agile concepts/aspects - prototype and test driven with feedback/iteration
  + JUnit testing - test driven development
* Assign roles
  + Xuansheng Xia – Team Leader
  + Xiaojuan Li – Requirement Leader
  + Hengyi Song – Design & Implementation Leader
  + Mingyuan Xu – Configuration Leader
  + Ziliang Ren – QA Leader

**Key Decisions**

* Team name is Movie Masters
* Project name is MDVP – Movie Data Visualization Platform
* Time tracking
  + Week starts on Friday (Updated)
  + Week ends on Thursday(Updated)
  + Get progress report to Leader by noon on Thursday (Updated)
* Communication Plan

* + WeChat Group – everyday communications, weekly meetings
  + Google Drive - upload and track all documents (including progress reports, minutes, etc)
  + Use Git/GitHub for document and code repository, version control
* Roles assigned:

* + Xuansheng Xia – Team Leader
  + Xiaojuan Li – Requirement Leader
  + Hengyi Song – Design & Implementation Leader - Xiuansheng Xia (Updated)
  + Mingyuan Xu – Configuration Leader
  + Ziliang Ren – QA Leader
  + Security Leader (not designated yet, decision needed) - Hengyi Song(Updated)

**Action** **Items:**

* Complete lab1 before due and self-learn new tools – all team members
* Submit progress report to Leader by noon Wednesday – all team members