**CS673 Software Engineering**

**Team 6: Team Blockbuster**

**Meeting Minutes**

**Meeting 12**

***Iteration 1***

**Date and Time:** 9/23/2024 2PM - 4PM, 5PM - 6PM, 7:30PM -

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, James Zheng

**Minutes taker:**Elizabeth Tyree, James Zheng

**Timekeeper:** Elizabeth Tyree, James Zheng

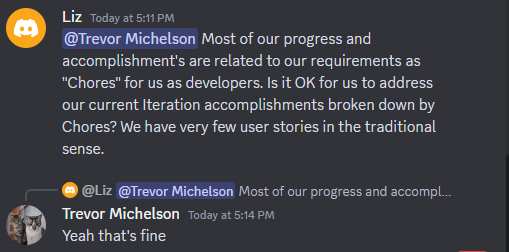
**Purpose:**

**Presentation slides/video for iteration 1**

**Agenda:**

**Working session for presentation**

**Discussions:**

* **User stories**
* **Chores**
* **Improving presentation by incorporating Iteration 0 feedback from Trevor**
* **Discussing document updates and accomplishment of iteration 1**
* **Question for the facilitator (Trevor)**
  + ****

**Key Decisions:**

* **Use chores from our user stories in our pivotal tracker**
  + **In our SPPP requirements and presentation**

**Action Items:**

**Meeting 11**

***Iteration 1***

**Date and Time:** 9/22/2024 1:30 PM - 3:45 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Josh Shilts, Ricky Zheng, and James Zheng

**Minutes taker:** Ricky Zheng, Josh Shilts

**Timekeeper:** Ricky Zheng

**Purpose:** Discuss with our facilitator about upcoming iteration documents and submission.

**Agenda:**

* Document submission guidelines
* Discuss Pivotal Tracker story structure

**Discussions:**

* Questions for Trevor
  + Are we also supposed to also submit everything to blackboard (in one zip)
    - Yes, I need to be zipping up all documents. Demo videos and presentation slides, Can include a link instead of mp4.
  + Expectations for project functionality for Iteration 1.
  + What is the difference between:
    - Can combine length should be whatever is right no more than 30 mins at the end of semester. Should aim for 5-10 mins.
      * demo/CS673\_iteration1demo\_teamX (video)
        + What we have done
        + Doco updates
        + What we have done and what we want to do
        + Security/testing/
      * demo/CS673\_presentation1\_teamX (video)
        + UI, new functionality
  + Also put all documents in repo?
    - Make subfolders for each iteration in the doc folder and submit each iteration.
  + Discussed database structure and possible improvements with the facilitator.
  + Feedback on requirements
    - Feedback given on requirements from Trevor and documented in SPPP
  + Security
    - What is expected
      * Login functionality
      * Not sending multiple emails
      * SCA and linting will work as well.
    - Pivotal Tracker
      * What is expected
        + Need to break this down in task
        + What we need to finish this task
      * Feedback from submission 0 need to follow
        + Need to reach out to the professor to get some feedback on some task stories.
        + Tasks need to be tracked but do map functional requirements.
    - What is pipeline structure suppose to look like

**Key Decisions:**

* SCA and linting will work for our Security task.
* Going to combine demo and presentation video.

**Action Items:**

* Get feedback from on task tickets **(ALL)**.
* Create folders in the doc folder in repo **(Ricky Zheng)**.

**Meeting 10**

***Iteration 1***

**Date and Time:** 9/21/2024 12:30 PM - 2:13 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Josh Shilts, Ricky Zheng, Alex Flinchum, James Zheng, and Rekik Mengstu

**Minutes taker:** Elizabeth Tyree

**Timekeeper:** Elizabeth Tyree

**Purpose:** Review documentation required this this iteration and updates on current tasks

**Agenda:**

* Review iteration 1 documentation
* Update on previous/current tasks
* Review Pivotal Tracker board.

**Discussions:**

* Inter1 Submission todos : [Doc link](https://docs.google.com/spreadsheets/d/1mCQRLXnSR44KCef22E69JOx5pAnRUUamW2Ir1BigFVo/edit?usp=sharing)
* Questions for Trevor
  + Are we also supposed to also submit everything to blackboard (in one zip)
  + Expectations for demo/CS673\_iteration1demo\_teamX (video)
  + Expectations for project functionality for Iteration 1.
  + What is the difference between:  
     demo/CS673\_iteration1demo\_teamX (video)

demo/CS673\_presentation1\_teamX (video)

* Manual testing report
  + Needs a user story to test.
  + How do we automate this?
* User Story testing
* Team 1 related folder in the Team 6 project folder. Liz left a message in Team1 chat. Received OK to delete folder from Tash on Team 1.
* Git navigation from within PyCharm
* Review pipeline, and discussed pipeline testing and from

**Key Decisions:**

* Update readme.md file
* Create and update tickets in Iteration 1 sprint
* Assigned doc ownership

**Action Items:**

* **Liz** to finish movie database creation today.
* **Rekik** to create SQLite load scripts.
* **Everyone** is to review pivotal tracker and create and update tickets in Iteration 1 sprint.
* Next meeting is tomorrow Sunday with our facilitator Trevor at 1:30pm.
* Pull request and merge initial pipeline workflow into dev branch **(Ricky Zheng)**.

**Meeting 9**

***Iteration 1***

**Date and Time:** 9/17/2024 7:00 PM - 9:00 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Josh Shilts, Ricky Zheng, Alex Flinchum, James Zheng, and Rekik Mengstu

**Minutes taker:** Alex Flinchum

**Timekeeper:** Alex Flinchum

**Purpose:** Discuss database design, frontend developments, and CI/CD pipeline status

**Agenda:**

* Discuss database design mock up.
* Update on CI/CD pipeline integration.
* Discuss ongoing pull requests.
* Make sure everyone knows and can run the current dev branch updates.

**Discussions:**

* Pipeline Progress
  + Merge working pipeline into dev.
    - Test frontend changes as well
    - Run PyLint in the pipeline as well
  + Registry for images.
    - Docker Hub
* Database
  + Setting up tables in SQLite in Python
  + Reviewed database design had design discussion
  + Reduce conflict with the keys (duplicate primary keys)
    - Ex. Actors that appear in multiple entries should not be assigned the same key to resolve lookup collisions.

**Key Decisions:**

* Current status of pipeline can be merged into dev to test frontend changes.
  + Add additional run commands to run PyLint as well.
* Set up additional meetings to get documentation in order before submission. Meeting on Sundays and Mondays to prepare for presentation and compiling other documentation.

**Action Items:**

* Merge pipeline feature branch into dev and add different running steps to test current changes in dev branch **(Ricky Zheng)**.
* Review feedback and make a new revision of the database design. (**Liz**)
* Get Javascript IDE set-up **(ALL)**.

**Meeting 8**

***Iteration 1***

**Date and Time:** 9/17/2024 6:00 PM - 7:00 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Ricky Zheng, Josh Shilts, James Zheng, Alex Flinchum, Rekik Mengstu

**Minutes taker:** Josh Shilts

**Timekeeper:** Josh Shilts

**Purpose:** Recap previous proposal feedback and discuss future tasks.

**Agenda:**

* Review Iteration 0 Feedback
* CI/CD Pipeline Status
* Review ongoing pull requests.

**Discussions:**

* CI/CD Pipeline
  + GitHub Actions
  + SonarQube vs. CodeQL
  + Workflows
    - Dev into Main
    - All branches should be run through the pipeline.
* UI HTML templates
  + Discussed how we are templatizing the html files and how they made be loaded using React components
  + Discussed how to incorporate multiple students html work
  + Discussed Pull Request and frontend MVP
* Iteration 0 Submission
  + Review grade for iteration 0 submission
* Current Iteration Synch
  + Caught up and discussed current progress for given tasks.
  + Determine what next steps are going to be taken for the next couple off days.

**Key Decisions:**

* Once the initial GitHub pipeline is set up, **James Zheng** can start working on DevSecOps.
* Once PR is merged and design documentation is complete the **team** will begin implementation of the app core functionality.

**Action Items:**

* Develop initial GitHub Actions pipeline for the initial docker image build and the Python backend script **(Ricky Zheng).**
* Review Pull Request to enable the team to begin implementation on back and frontend functionality.(**ALL**)
* Finalize Design documentation in preparation for submission. **(Josh, Alex, Liz).**

**Meeting 7**

***Iteration 1***

**Date and Time:** 9/14/2024 12:00 PM - 2:08 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Ricky Zheng, Alex Flinchum, James Zheng, Josh Shilts, Rekik Mengstu

**Minutes taker:** Ricky Zheng, James Zheng

**Timekeeper:** Ricky Zheng

**Purpose:** Discuss Lab 2 and pivotal tracker stories.

**Agenda:**

* Discuss lab 2 requirements.
* Team update on tools installation status.
* Review any ongoing pull requests.
* Review next iteration stories.
* Discussed, created, and assigned stories.
* Update team with demo

**Discussions:**

* **User story ideas**
  + Clear and input button functionality
  + The message of no search found if no data matches
  + Drop down for names, user input for ratings including (<, >, <=, >=)
  + History page for users
  + Expected data result format selection.

**Key Decisions:**

* Agreements on scope of work based on tickets

**Action Items:**

* Begin user assigned stories **(ALL)**.
* Created individual stories for Lab 2 **(ALL)**.

**Meeting 6**

***Iteration 1***

**Date and Time:** 9/12/2024 7:00pm - 9:10pm

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Ricky Zheng, Alex Flinchum, James Zheng, Josh Shilts, Rekik Mengstu

**Minutes taker:** Elizabeth Tyree, James Zheng

**Timekeeper:** James Zheng

**Purpose:** Retrospective and Tool Status Update

**Agenda:**

* Retro 5-10 min
* Pull Request Training
* Demo python Backend
* demo Node Frontend
* Review Pivotal Table
* Review proposed implementation ownership
* Discuss the next steps and POA for design and implementation
* Assist in configure tools

**Discussions:**

* Create a Google Sheet to check in with every team member to see if they have everything installed
* What each member is missing
* Reworking pivotal tracker epic into sprint iteration and stories accordingly to iterations

**Key Decisions:**

* Majority of the team members will use pycharm and IDE.
  + Pycharm includes most programs we intend to use

**Action Items:**

* Created a spreadsheet that details the status of tool installation per team member **(Josh Shilts)**.

**Meeting 5**

***Iteration 1***

**Date and Time:** 09/12/2024, 6:20 PM - 7:00 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Alex Flinchum, James Zheng, and Rekik Mengstu

**Minutes taker:** Elizabeth Tyree

**Timekeeper:** Elizabeth Tyree

**Purpose:** To start discussing Database and Lab2 requirements

**Agenda:**

* Database Requirements
  + What tasks are need
* Resumed discussion on Git, Docker, etc…system requirements and environment setup.

**Discussions:**

* If the UML diagram created for the team or for lab2
  + Later decided each member needed to draw their own for lab2
* Which dataset and part of the data is going to be used for the project

**Key Decisions:**

* Liz to create the database schema scripts after receiving UML Database Design
* Alex to create initial UML Database Design diagram

**Action Items:**

* For Iteration 1: **Alex** will create initial UML Database Design diagram
* For Iteration 1: **Liz** will create the database schema scripts and load data into the database.

**Meeting 4**

***Iteration 0***

**Date and Time:** 9/10/2024, 9:30pm - 10:30pm

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, James Zheng, Rekik Mengstu

**Minutes taker:** James Zheng

**Timekeeper:** Elizabeth Tyree

**Purpose:**

* Discuss requirements

**Agenda:**

* Discussing iteration 0 and 1 requirements
* Setting up machines with respect to github

**Discussions:**

* Looked over the dataset on github.
* Discussed the next meeting time would be on Thursday 9/12/2024 before the team meeting.

**Key Decisions:**

* Keep things as simple as possible then if we have time to add more functionality.

**Action Items:**

**Meeting 3**

***Iteration 0***

**Date and Time:** 9/10/2024, 6:00 PM - 7:00 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Joshua Shilts, Ricky Zheng, Alex Flinchum, James Zheng, Rekik Mengstu

**Minutes taker: James Zheng**

**Timekeeper: James Zheng**

**Purpose:** Iteration 0 Meeting 3 (Finalizing proposal, documentation clarity, merging branches)

**Agenda:**

* Check-in on Lab1 status
* Review weekly documentation and discuss status.
* Review created stories
* Discuss next phase of project (Week 2)

**Discussions:**

* Risk Management documentation
* Lab1 branch merging
* Discussing and figuring out Risk management and Progress report documentation
* Determine the team and individual hours worked on the project (iteration 0)
* Determine who will present for iteration 0
* Discussing/planning how we want to display and sort our data
* Do we need to finish all the requirements writing by Thursday the end of iteration 0

**Key Decisions:**

* Using formula (6-L)\**(6-I)\**C in Priority column of RiskManagement column
* Converting the run time for the movies in the data table to minutes
* Map out Database architecture (Liz, James, Rekik)
* Ricky/Josh working on the project's skeleton (python and UI).

**Action Items:**

* UML diagram for requirement writing bucket of our pivotal tracker
* Finish all requirements by next week to begin implementation

**Meeting 2**

***Iteration 0***

**Date and Time:** 9/7/2024, 12:00 PM - 3:16 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Joshua Shilts, Ricky Zheng, Alex Flinchum, James Zheng, Rekik Mengstu

**Minutes taker:** Elizabeth Tyree

**Timekeeper:** Elizabeth Tyree

**Purpose:** Iteration 0 Meeting 2 (Working out project details and environment setups)

**Agenda:**

* Familiarize group members with GitHub.
* Establish a project on Pivotal Tracker.
* Recap previous meeting details to make sure there are no misunderstandings.
* Help new team members catch up with previous project meeting details.

**Discussions:**

* GitHub Setup
  + Installation on different OS
    - Windows
    - Mac
  + Setup SSH Keys
  + Correct process to make file changes
* Pivotal Tracker Setup
  + Project creation
  + Make planning epic and stories?
* Docker Setup
* Python 3 Setup
  + Flask
  + pip
  + pylint
* npm Setup
* nodeJS
* SQLite Setup (Should be installed along with Python)
* Determining who our final facilitator is for our team.
* File Structure Brainstorming
  + code
    - Frontend (React) (Static Localhost)
      * src
        + ui.js
      * Dockerfile
    - Backend (Python) (Cloud or AWS)
      * src
        + app.py
      * Dockerfile
* Front-end web-page content
  + Genres
  + Name
  + Gross sales
  + Release date
  + Run time

**Key Decisions:**

* Leader changes (Tentative)
  + Requirements Leader: Elizabeth Tyree (Previously) → Rekik Mengstu (New)

**Action Items:**

* Get setup on listed applications/environments.
  + GitHub
  + Pivotal Tracker
  + Python (v3.12)
  + Pip (v24.2)
    - Python Flask
    - PyLint
  + Docker (v25.0.6)
  + nodeJS (v20.17.0)
  + SQLite (v3)

**Meeting 1**

***Iteration 0***

**Date and Time:** 9/5/2024, 8:00 PM - 10:01 PM

**Place**: Team 6 Discord Voice Channel

**Participants:** Elizabeth Tyree, Joshua Shilts, Ricky Zheng, Alex Flinchum, James Zheng, Steve Chin (Facilitator)

**Minutes taker:** Ricky Zheng

**Timekeeper:** Ricky Zheng

**Purpose:** Iteration 0 Meeting

**Agenda:**

* Determine what type of project (high level) our group wants to do.
  + Determine the type of framework we plan on using.
* Determine roles for each member.
* Determine primary source of communication.

**Discussions:**

* Determine project topic …
  + Data Science based
    - Extract input data set (movie data) and manipulate the data to generate a trend, chart, model, etc.
  + HTML Page, RestAPI?
  + Preferably not create a server, given time constraints.
    - Not Jenkins, too complicated.
  + Database choice
    - Preferably free and available for everyone.
    - Terraform
    - AWS
    - GCS
    - Local stack
    - GitHub Actions
* Frameworks
  + Python Flask for Web Framework
    - Easy web development
    - Core product
    - External API calls
    - Capable of React
    - Doesn’t worry about security
    - Doesn’t worry about asynchronous operations.
  + Springboot, higher learning curve given time frame.
* Project Structure
  + Data Input preparation
    - Comma separated values (CSV)
    - Type of data
      * Numerical (Easiest), no nulls.
      * Natural language
  + Framework
    - Python Flask
  + Frontend
    - ReactJS
  + Backend
    - Python
  + Database
    - SQLite
* Verification Methods
  + How do we know if our data manipulation and presentation via charts, trends, or graphs is correct?
  + How can we prove it?
* What is the end product of the application?
  + Examples:
    - Charts (PyChart)
    - Trends

**Key Decisions:**

Meeting Schedule:

* Meeting Time for Tuesday (TBD): TBD
* Meeting Time for Thursday: 7:00 PM ET
* Meeting Time for Saturday: 12:00 PM ET
* Amount of Meetups: 2 - 3 per week

Leader roles assigned (tentatively):

* Team Leader - Josh
* Requirements Leader - Rekik
* Design Leader - Liz
* Configuration Leader - Ricky
* QA Leader - Alex
* Security Leader - James

Primary Data Input Choice

* Numerical Data
* Text Data

Input Data Format

* csv
* JSON

Framework

* Python Flask

Database

* Contains stock or default data files from external source (i.e. Kaggle).
* Selecting certain data from movie dataset

**Action Items:**

* Reviewed all documentation that needs to be submitted
  + Group documents
  + Individual documents
* Determined high level concept of project
  + Data Science based project using frontend JS that extracts some type of input data and backend Python that manipulates the data to generate models, charts, and trends.
* Verify with our professor that our project idea is acceptable.