**CS673 Software Engineering**

**Team 6 : Team Blockbuster**

**Meeting Minutes**

**Meeting 3**

**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**

**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**

**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.