

Progress Report

- Increment 1 -

Group #13

Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.

1) Team Members

Luis Ferrer, ldf22, luisf

Leonardo Ribera, lr21k, riberaleonardo

Ethan Anderson, ela22d, v-sam-sepiol

Giancarlo Franco, gaf22d, giancarlofranco

2) Project Title and Description

Our project, Tempura, is a web application we are developing that allows for users to log and rate the anime that they are currently watching and those they have finished. Tempura provides functionality to users allowing them to communicate with friends and display their rankings of shows encouraging community. Other features include a recommendation system we will be creating which utilizes machine learning.

3) Accomplishments and overall project status during this increment

Our biggest accomplishment of increment 1 is our wireframing model that we created. Our model has all the desired features detailed as well as rough sketches of how we envision our frontend design. Our model provides clear direction as we move forward in this project. In increment 1 we have created our database for Tempura, leaving the frontend and our recommendation system to be completed in the future.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

In the beginning it was difficult having the group learn the MERN stack especially since we have been having connectivity issues with MongoDB. The majority of issues arose due to differences in experience among group members, and it has also been difficult working in a group as there have been conflicting schedules preventing us from all meeting up as often as we wanted. Overall though it has been a good experience so far.

5) Team Member Contribution for this increment

WE ALL WORKED ON THE RD, IT, Progress Report, AND VIDEO TOGETHER.

Luis Ferrer – Mainly wrote our requirements design document for increment 1, wrote source code for the database schema

Ethan Anderson – Mainly wrote implementation and testing document for increment 1, wrote source code for file structure, wrote React pages/routing for front-end.

Leonardo Ribera – Mainly wrote the script for the demo of our code for increment 1

Giancarlo Franco – Mainly wrote Progress Report document and sequence diagram for increment 1

6) Plans for the next increment

In the next increment, we hope to finish our user to database connection, connect the JikanAPI to our system, and start on the recommendation engine. The recommendation engine is the core of our project, so we are focusing most of our manpower on completing and implementing it.

7) Stakeholder Communication

Dear Stakeholders,

I'm pleased to provide you with an update on the development of Tempura, our anime recommendation and tracking platform.

Development Progress

We have successfully started development of the core user authentication system, including signup and login functionality with secure password handling. The user interface has been developed using modern design principles with a clean, intuitive layout that aligns with our initial mockups.

The platform's foundation is now in place with proper routing between pages and responsive design that works across devices. We've integrated Tailwind CSS for consistent styling, making future design iterations more efficient.

Current Status

Completed Components:

- Basic account management pages
- Navigation between platform sections
- Database structure design

In Progress:

- User authentication system (signup/login)
- Database integration for user data storage
- API connections for anime data retrieval

Challenges

We've encountered some connectivity issues with our MongoDB database service. This is similar to what many cloud-based applications face during initial integration phases. While not uncommon, it means user data isn't being persistently stored yet. We're working with MongoDB Atlas support to resolve network access configurations causing this bottleneck.

These connection issues don't impact our frontend development, but they do temporarily limit our ability to test end-to-end user flows with data persistence.

Next Steps

Our immediate focus is on:

1. Resolving database connection issues
2. Completing the anime browsing and recommendation features using the Jikan API
3. Implementing the watchlist functionality
4. Beginning development of the social features (friends, activity feed)

The recommendation engine, which will be our platform's key differentiator, remains on schedule for development in the next phase.

Timeline Update

Despite the database integration challenges, we remain on track for our release target. The modular architecture we've implemented allows us to continue parallel development on multiple features while resolving the database connectivity.

We anticipate having a functional prototype with working user accounts and basic anime browsing ready for internal testing within the next two weeks.

I'm happy to provide more detailed information or demonstrations at your request. We're excited about the progress so far and confident in delivering a platform that anime enthusiasts will love.

Best regards,

The Tempura development team.

8) Link to video

<https://youtu.be/gmq5yK9Lsw4>