

Fantastic Four

CS3743 Database Systems

December 8th, 2025

Final Project – GameVault Application

Description:

GameVault is a web-based application that provides users with an intuitive interface for browsing games through advanced sorting and filtering options, discovering friends based on mutual followers and shared gaming interests, and reviewing and rating games. Users can personalize their profiles by curating game libraries, following other gamers, and engaging with community activity feeds. The application utilizes the MySQL database developed in this group project, with a Node.js/Express REST API backend serving as middleware between the database and the Flutter frontend.

Application Information:

Access and Download Application:

https://github.com/jennslatt/CS4393_final_Project

YouTube Demo:

<https://youtu.be/HssF7OuxpM0>

Copy of Readme:

Update file: /backend/gamevault.env with your MySQL username, password, and database name.

Update file: /backend/server.js at lines 19 and 20 in with you MySQL username and password.

To run:

1. in VSCode terminal map to /backend folder. run: node server.js
2. in terminal map to project folder, run: flutter pub get
3. in terminal map to project folder, run: flutter run -d chrome

Sign in: Username: admin Password: adminadmin You can also create your own account.