

Capstone Step 2: Initial Project Ideas

1) Flixxy - a Netflix inspired app:

A dynamic, user-authenticated video streaming platform inspired by the core features of Netflix. The app includes secure user login and registration, personalized homepages displaying user favorites, popular movies, and a real-time search bar.

Users can view, favorite, and rate videos, and manage their accounts through an intuitive UI. The homepage features a top-rated video section. The TMDb API powers video rendering, thumbnails, and associated movie data, creating a seamless media experience.

Technologies: React.js, Node.js, Express.js, PostgreSQL, Bootstrap, TMDb API

2) Online Quizzes:

An interactive quiz platform that enables users to take engaging trivia quizzes, track their results, and view rankings among other participants. Users can register or log in to access personalized features, including saved quizzes, favorites, and a dashboard displaying total quizzes taken.

The landing page showcases a featured “Quiz of the Day,” multiple quiz categories, and a search function for exploring available quizzes. After completing a quiz, users receive instant feedback along with their ranking compared to others who took the same quiz.

The app integrates **The Trivia API** to dynamically generate quiz content and questions, ensuring a fresh and challenging experience with every visit.

Technologies: React.js, Node.js, Express.js, PostgreSQL, Bootstrap, The Trivia API

3) Boutique Shopping App:

A modern shopping platform designed to simulate the boutique retail experience online. Users can browse a curated selection of products, add items to a cart or saved list, and complete mock purchases with simulated shipping functionality.

The landing page features a product highlight, browsable categories, and a live cart for seamless shopping. Registered users can save items, view cart contents, leave product reviews, and manage their account details. The user profile also tracks unpurchased items and review history for a personalized experience.

The app integrates the **Fake Store API** to populate the boutique with dynamic product listings, offering a realistic and responsive e-commerce simulation.

Technologies: React.js, Node.js, Express.js, PostgreSQL, Bootstrap, Fake Store API