Description

Our project, "Thrive" is a comprehensive web-based platform designed to assist young professionals and early career individuals in managing their financial lives. The platform integrates four primary modules: Real Estate Planning, Salary Projection, Budgeting, and Financial Advising. By offering a suite of tools for financial analysis and decision-making, "Financial Navigator" aims to simplify complex financial planning tasks and provide actionable insights for users. While there are numerous financial management tools available, "Thrive" distinguishes itself by combining diverse functionalities into a single platform. Unlike separate budgeting apps, salary calculators, and real estate planning tools, our solution integrates these aspects into a unified experience. This integration provides a more holistic approach compared to standalone tools like Mint for budgeting, Zillow for real estate, or salary projection calculators.

Key Features:

Real Estate Planning Module: Utilizes the Zillow API and ArcGIS API for JavaScript to provide detailed real estate data and interactive mapping features. Users can visualize housing options and assess market trends.
Salary Projection Module: Leverages the Indeed API to offer career salary insights and future earnings projections, helping users make informed career decisions.
Budgeting Tools: Offers comprehensive budgeting features to track income, expenses, and savings goals. Integrates with user profile management for personalized budgeting advice.
Financial Advising: Provides tailored financial advice based on user inputs and financial goals. Includes data visualization tools for clear, actionable insights.

Justification
"Thrive" integrates a range of concepts learned in previous coursework, including front-end and back-end development, data visualization, and API integration. The project will leverage React/Vite for the front end, allowing us to apply our knowledge of modern JavaScript frameworks. On the back end, Python or Node.js will be used to manage server-side logic and data processing, reinforcing our skills in backend development. The complexity of integrating multiple modules and APIs ensures that the project is suitably challenging without being overwhelming. It requires a balanced approach to managing different aspects of the platform, including real estate data visualization, salary projections, and user profile management.

One semester is a reasonable timeframe to develop "Thrive." The project scope is manageable, with clear milestones for each module. Our team has the necessary skills and tools to execute the project within this period, and we will adhere to a structured development plan to ensure timely completion. The project is engaging for our team, as it combines financial management with cutting-edge technology. The integration of real estate planning, salary projection, and

budgeting tools aligns with our interests and goals. Additionally, the practical application of these features will make the project appealing to classmates.