Project Charter

CS407

PurdueParty.io

A web application designed for Boiler Makers to get the latest information in Purdue at the tip of their finger.

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Problem Statement:

Currently Purdue students find themselves flipping between several different applications to meet their needs - an app for the Corec, websites for buying used goods, another for social media, and even sometimes plain word of mouth to figure out what the dining courts are serving. Our solution, PurdueParty.io, will be an all-in-one website where students can view and post all information related to clubs, events, dining halls, the CoRec, transit, used goods, class group chats, and much more. The site will be a place where students can be a part of social media as well as find and post useful information related to campus. Unlike other applications in this space, our app will be a location that includes a comprehensive list of features all in one space.

Project Objectives:

- Program a React application for Purdue students that provides a multitude of relevant features for students.
- Include features from popular social media platforms, including:
    - Reddit Forum - Class/Major Chats - Events - Clubs Page
- Include useful information about campus utilities and services, including:
    - Gym usage - Dining Halls usage/menus - Bus Maps
- Include a platform that allows students to easily sell and purchase items/services amongst other Boilermakers

Stakeholders:

- **Project Owners/Developers:** Aaron Cox, Bryan Wang, Matthew Story, Michael Maganini, Raziq Ramli, Yu-Lun Gao
- **Project Sponsor:** Purdue University
- **Users/Customers:**
    - Average Purdue students
    - Frequent CoRec goers
    - Frequent CityBus users
    - Board members of various Purdue clubs
    - Freshmen who are still getting used to the facilities at Purdue

Deliverables:

- A web application that will provide an intuitive interface to allow Purdue students to access various services to meet their needs, including - but not limited to - a social media interface, information about campus services, and much more
- The user interface will be developed using React on Visual Studio Code
- A MySQL database, connected to the frontend using Node.js and Express, will be used to store relevant information

CS307 Projects

Matthew Story

For CS307, my group made a web app entitled “College Capital” that served to better address students' financial needs. It was primarily built using React to generate our UI in tandem with Redux, which served as our state manager. For the backend, we used Firebase to handle things such as data storage and user management. The app was centered around providing a suite of tools for students to plan and track their financial information that was specific to their college experience; for example, Purdue students had an option to track their Dining Dollars and meal swipes. We also provided additional functionality to mimic desired features of a large scale application. This included things such as user account customization, user to user messaging, and real-time stock trackers.
Github: https://github.com/MattStory/Firebase-React-Website

Bryan Wang

For 307, my team created a social media website featuring the main flagship features from the current most popular sites, Facebook, Twitter, Reddit. Users were able to customize their profile homepage, follow other users to view content they post, follow topics of interest to them, and also chat with one another. In addition to this, there was blocking, password encryption, email-account confirmation, commenting, and more. For the front-end, the group utilized Javascript, React, and CSS and for the back-end, the group utilized MongoDB, and Django.
Github: https://github.com/tappenze/TwiFBeddit

Raziq Ramli

For 307, my team created a cryptocurrency trading web app called Fortune. We developed the frontend primarily using React to render the user interface and Redux to manage our application states. For the backend, we utilized Python Flask and PostgreSQL. Our web application uses real-time cryptocurrency data and allows players to create and join multiple game rooms. Within each game room, players can also chat with each other and report abusive messages. On top of that, we have admin functionalities to manage reports, terminate a player account, and broadcast a notification to players.
GitHub: https://github.com/raziqraif/Fortune

Yu-Lun Gao

For CS307, my group developed a social media website named ***hood*** that focused on neighborhood residents to share information, ideas, and other forms of expression. It provided an easy and convenient way for residents to interact with each other and discover interesting content. Users can use a filter function to find the post precisely(Location, Tags, Time range, ect.). We used Python Django, HTML/CSS/JS, and PostgreSQL.
Github: https://github.com/CS-307-Team-15/Hood

Aaron Cox

For CS307, my group developed a social media site that combined many features from a variety of other social media apps. These features included adding, blocking, and editing users, adding, deleting, and editing posts, and personalizing profiles for users. We used ReactJS and mySQL, so the languages we used were primarily Javascript, HTML, CSS, and SQL. https://github.com/smit3407/omilia

Michael Maganini

For CS 307, we made a social media site that had similar features to typical social media platforms. There were features like account creation and deletion, profile editing, following, posting and commenting, blocking, timelines. We used React, Flask, and mySQL so the languages we used were mainly Javascript, HTML, CSS, Python, and SQL.
Github: https://github.com/eshabhatti/Weave-