

WUShockGO

Team Members -

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Project Proposal - 1

Product Title:

WUSeverGO

Product Description:

- Creating our own web server by using a Raspberry Pi.
- Will create our own website and use Raspberry Pi as a web server to host the sites.
- Create a website and use the web server to communicate with it.

Primary Application Proposal:

The website has a myriad of features, that consists of including useful links from WSU, posting WSU's activities and news, showing WSU's campus maps & WSU's social page, posting short guidelines for students, translating to multiple languages for students whose primary language isn't English. This project will mainly be made for students by students.

The website works by installing Ubuntu server on Raspberry Pi and MongoDB/mySQL for database server.

Requirements:

1. Make sure it is accessible to any browsers. (Chrome, Safari, FireFox, Edge, etc..)
2. Make sure the server is always on so everyone can use the website.
3. Create the front-end portion - user interfaces, layout, graphics, etc.
4. Create the back-end portion - database, web server, APIs
5. Ensure that back-end and front-end portions synchronize together.

Stretch Objectives:

1. Issues of compatibility with other web browsers (ease of accessibility, layouts, orientation, responsiveness).
2. Building an interactive map that guides students from one building to another.
3. Implementing a security measurement for the server.
4. Enabling dark and light mode feature in the website.