Milestone #1

Team Name:

The Slackers

Team Members:

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Description:

Our project will be a template website for forums. This project will provide a skeleton site and database that out users can use to create their forum. Our product will alleviate the work of building site essentials like user login management so that users can focus instead on the content and aesthetics of their messaging board. By choosing to use our product, our users will begin with a smoothly running site to use as a blank slate for their creation. Because this template will be a free and open-source project, it will give access to those without either the programming knowledge or the capital they would typically need.

The base level features of our site will include a user login page, a way to create new accounts, and a page showing recent forum posts. The user login page will allow users of the forum to access their account to make posts on the forum. The new account creation will enable first-time visitors to the site to create their account to access the discussion board. Finally, the forum page will show recent posts users have made so that other users may view them.

Vision Statement:

"To create an 'open-source' forum template to help members within the Boulder community and within the greater open-source society"

Motivation:

Since everyone on our team has a lack of experience in software, we often struggle with getting started on our projects. Therefore we were motivated to create an open-source project to help other students/programmers get started on their projects by developing a baseplate template for a forum-based website. Hopefully, through this, we will learn valuable software development skills while also contributing to the open-source community.

Risks:

Some of the risks we are expecting to encounter are a lack of experience and knowledge, the working environment, absence of enterprise software, and a shortage of time.
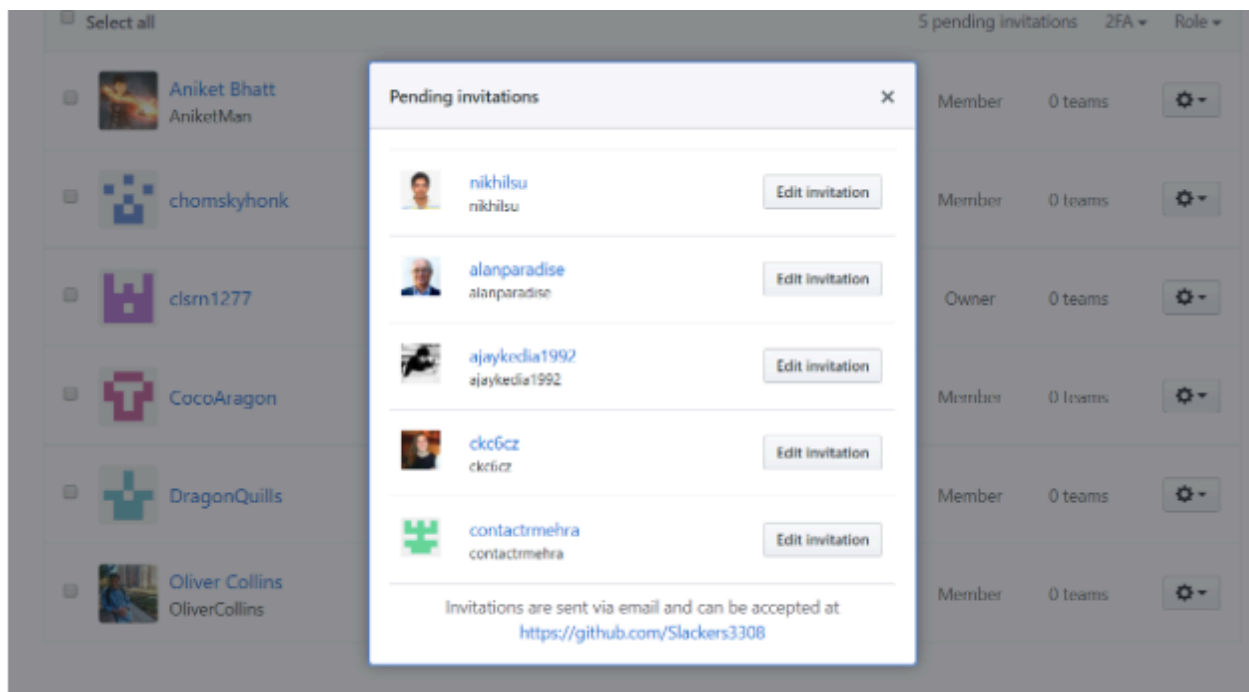
Risk Mitigation Plan:

We will overcome the risks we have presented as follows:

> *Lack of Knowledge/Experience:* We will make use of the resources at our disposal, such as the professor, the TAs, and the internet to improve our knowledge base and teach each other what we know.
>
> *Working Environment:* We will consistently book a room at Norlin Library to allow us a quiet, private location with minimal distractions to function as a group.
>
> *Absence of Enterprise Software:* Since we have no funding, we will have to find free alternatives to any enterprise software that we may need.
>
> *Shortage of Time:* We will make use of time management software such as Asana and use Slack for communication so that we ensure we complete our goals by our deadlines.

We shared access to the Slackers organization which grants access to the three repositories for our project with our teammates as well our TA and instructor.

Version Control:
Repos:
> https://github.com/Slackers3308/PDFs
> https://github.com/Slackers3308/Code
> https://github.com/Slackers3308/Milestones

Development Control:
Agile

Collaboration Tool:

    Asana, Slack, iMessages

Proposed Architecture:

    On the backend of our website, we will be using SQL. On the front end, we will be using HTML and CSS to make the basics of the website, and possibly Javascript to spruce things up a bit.. For the integration layer that allows for communication between the front end and back end, we will be using Python.