COMSC 211: Final Project Proposal Document

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Due: November 11, 2015

Motivate Me

I would like to design and implement an organization app for students with Srishti Palani. Our project will support a more well-rounded approach to tackling goals. There are a lot of organization apps out there, but we would like to focus on being balanced individuals, so we are going to be gathering data about a person’s academic goals & agenda, wellness factors (such as glasses of water consumed, time spent exercising, etc…), and fun (the work-life balance). These factors would contribute to keeping a Yavishti alive and thriving. Similar to a Tamagotchi, the idea is that you would be in charge of this avatar, and that your actions will be reflected on the state of the Yavishti.

The target market of the web app are students who have not found a way to balance all parts of their lives effectively. This app will work best for students that are middle-school aged and above as that is when the work-life balance starts to become problematic. According to the National Center for Education Statistics, 14.9 million students will be attending public schools in grades 9-12 and an additional 4.9 million students are expected to attend private schools. 20.2 million students enrolled in college in the US in fall 2015. Eventually we would like to expand the application so that anyone who wishes to organize different parts of their lives would be able to use this application.

We will require the use of several outside tools and resources to complete the Motivate Me web application. APIs are needed to determine how we can embed a calendar, enable push notifications, and import events from Facebook & Google. Finally, we will be implementing our web application using the free site hosting allowed by GitHub.

The data storage requirements for our web application mainly involve priority queues. We will be saving events into an agenda based on time and priority. We will also be using a Stack Linked List to store badges earned by a user, a Priority Queue to store badges not yet earned by a user, an array to hold the different Yavishti phases. As we go through the project, this may change as we discover more efficient options or decide to add on more functionality.

**My contribution to this project are:**

* Creating a repository for the project on GitHub
* Creating skeleton pages for all html pages on the site
* Setting up front end work for the home page, academics page, and wellness page
* Setting up the back end for the home page, academics page, and wellness page
* Testing and debugging
* Creating and giving a presentation

**Milestones:**

* + Obtain final project approval
  + Develop project presentation
  + Give project presentation
  + Create repository for project
  + Solidify which data structures to use with Srishti
  + Learn HTML, CSS, and JavaScript as I have never worked with web development before
  + Create the front end functionality
  + Create the back end functionality

**“Reach” Milestones:**

* Add animation to GUI
* Client-Server capabilities
* Provide additional data insights

**Calendar: All items listed are due by the date shown next to the week (every Sunday)**

Week 1 (11/8)

* + Finish Pitch Document
  + Obtain final project approval

Week 2 (11/15)

* + Develop project presentation
  + Give project presentation (sometime in here)
  + Srishti: Figure out technologies/APIs that will work for notifications, calendar, facebook events
  + Yavneeka: Create repository for project, begin learning HTML, CSS, JavaScript, create skeleton files for all html pages

Week 3 (11/22 \*Thanksgiving week\*)

* + Set up the front end for all html pages

Week 4 (11/29)

* + Set up backend for all html pages

Week 5 (12/6)

* + Testing
  + Final Report Complete