Marshall Hoffmann

Xaitheng Yang

Professor Peter Dolan

CSCI 4453

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Week in the Life of a CSCI Student

In this project we will aspire to create a text based representation of the life of a CSCI major at UMN Morris. This will include two main parts. A back-end MariaDB database to store character information, and a front-end web page from which the game will be played.

The work of the project will be shared in the initial phase. This phase will include designing both the front-end and back-end, and plans for interaction between the two parts. After this phase, work will be split between front-end work, which Marshall will do, and back-end work which will include the JavaScript for communications between the database and the web-page, which Xaitheng will do. Additional work that will be distributed as the project goes on, depending on how much work certain aspects take, will include writing and graphics for the game itself.

The front-end work will include a web-page to act as a user interface, incorporating HTML elements as well as JavaScript. Main sections of this work will include an introductory page that includes options for starting a new game or continuing an existing one. If given enough time, front-end graphical aspects will be expanded to be more aesthetically pleasing, however more simple graphics are currently planned. The back-end will include multiple tables for storing user information. This is currently planned to include character attributes, performance statistics, and player inventory. The organization of these tables is currently planned to be normalized to some extent for the sake of efficiency.

Point Breakdown

Shared:

* Planning, Design, Misc – 20 points

Xaitheng Yang:

* Back-End Construction – 20 points
* JavaScript Api routes – 10 points

Marshall Hoffmann:

* HTML Interface – 10 points
* Javascript front-end – 20 points