HanSoo Lee

Rich Media II – Project 3 Documentation

1. What is my site?
   1. Task Manager is exactly what it sounds like; a task managing app where users can create and store tasks and have a place to check up on them and mark them as compete.
   2. It’s a digital way of making note of what you have to do in the next few moments, and you can access it anywhere.
2. App profitability
   1. There will be a premium account option where you pay a small fee per month for extended features.
      1. Ie. Saved friends list, email services, etc.
      2. These have finally been implemented!
         1. Friends list for easy access to their tasks.
         2. Email notifications whenever someone adds you to their friends list.
3. React
   1. All of the html elements in this app are all created using React.
      1. Task list, friends list, friend’s tasks, task creation client, filtering system, account settings (premium, password change).
4. Templating language
   1. Used handlebars
   2. Handlebars in conjunction with ReactDOMs made it easy to render HTML elements with the data that we get back from the MongoDB database.
      1. Namely, the creation of task nodes and populating it with information from the database objects was only possible through Handlebars.
5. MVC
   1. Had models for account and tasks that interact directly with the MongoDB database to get information.
   2. Views were the various handlebars files that were populated with information that the controller got from the model.
   3. Controllers for account and tasks where they ping the models for database information.
   4. Router allows all of our client side js to access the controllers and get the database information that it needs.
6. Mongo
   1. Account data and task data are stored in a MongoDB database.
   2. The models use mongoose commands in order to interact with the database.
      1. Access and changing different database objects.
   3. Created separate schema in account models for the creation of a friends list.
      1. Arrays within mongodb schemas require another schema.
7. Above and beyond
   1. Implemented nodemailer.
      1. Used to send automated emails to users when they are added to someone’s friend list.
   2. Implemented friends list.
      1. Stores an array of friends to the Account schema.
      2. Displays and allows for easy access to their tasks.
   3. Estimated grade: 92