**CS 4850 Form2 for Phase 1: Project Plan 10 points (out of 100 for semester)**

| **Project Name:** | | | Name of project: 5B Telemedicine Application | | |
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| **Team Members:** | | | Alphabetical by first name: Kate Fisher, Martin Nguyen, Mike Lin, My Anh Huynh, Nathan Schneider, Shailesh Thapa , Yasha Jones | | |
| **Description:** | | | Expanded description of project, what it does, who it serves, how it should operate, what inputs do what  This project would build an application for local physicians that assist the patient and doctors for virtual care. The application features appointment scheduling, real time chat, video calls, and viewing/posting of documents and reports. The application could also store and record the chat messages, and provides the function on the physician side to upload videos as well. Also, this project ensures the application is comprehensive and HIPAA-compliant.  Project features:   * User authentication * Login page * Main home page   Software requirement:   * Git, Node.js, Node Version Manager(NVM), Node Package Manager(npm), React.js, HTML, Javascript. * Documentation and Version control will be done through GitHub. The use of GitHub for version control is vital to developing this project during the sprint phase, in as much as this will allow for excellent collaborative development. GitHub is essential to the development of this project, because the use of version control within the documentation will allow for a deeper understanding when debugging and performing unit tests. | | |
| **Development Phase** | | | **Description of Project/Prototype to this Point**  **Status of each Component** | **Deliverables** | |
| **Deliverable** | **Grade Weight** |
|  | **1.** | **Sprint 1:** | This will be done  Login page:   * User login   + Username   + Password * Reset password * Sign up   Main home page:   * Menu * User docs/profile * Schedule appointment * Chatbox * VideoCall * LogOut | Project Presentation  Ppt to D2L  Prototype 1 | 20 points |
|  | **Challenges/Risk:**  Starting to make the first UIs will be difficult. Setting up the database will also be difficult.  Team cohesion  Design challenges  Learning new frameworks/tools/languages |
|  | **2.** | **Phase 2:** | Chat and scheduling functionality added.  User profiles, and database set up.  Patients and doctors will be able to have a live chat conversion and schedule appointments.  On the user profile the patient will be able to see their past appointments, notes the doctor left, and view the patient's medications.  The patient database will allow doctors to upload files that pertain to the patient’s medical history. | Project Presentation  Ppt to D2L  Prototype 2 | 30 points |
|  | **Challenges/Risk:**  Real time updates with the chat.  Uploading patient documents.  The software to do scheduling will probably be complicated because it involves users with different visibilities modifying the database. |
|  | **3.** | **Phase 3:**  **&**  **Complete** | Video calls functionality added.  The patient and doctor will be able to login to a Zoom call. The patients will be able to explain to their doctor what problems or issues they are having.  The Zoom call will be set-up by the doctor in the appointment scheduling page. | Project Presentation  Ppt to D2L  Prototype 3  Complete Project to D2L | 40 points |
|  | **Challenges/Risk:**  Integrates video api with application.  Learning new technologies  Attempting to meet the deadlines. |
|  | **Challenges/Risk:** |
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