Software Development Process: Kinnect

Team Name: Kinnect Group

Course: CMSC 355

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The following is an outline of the process I will use, and the responsibilities will take on in order to create the Kinnect application. This information is being outlined so that I will be able to maintain a high standard of organization, quality, and adherence to the task at hand so that I can effectively manage and develop the final product.

Responsibilities:

There are multiple roles and responsibilities that I will have to undertake, which include the following:

Role	Key Responsibilities
Leader	Plans out steps to take regarding project development, overcoming issues, and just generally staying on task
Product Owner	Outlines relevant features/requirements, determines the relevant tasks, and ultimately serves to represent the end-user.
Developer	Writes/maintains source code.
Tester	Generates relevant test-cases, reports any bugs, and makes sure each component of the application is functional and meets requirements.

Development:

I will follow the Agile methodology when managing this project/deliverable components. This means the project will of course be divided into three distinct sprints, each of which will focus on delivering one of the 3 core components of the final application. Each sprint will begin in the

planning stage before moving into the sprint itself, and all tasks will be managed in an ongoing spreadsheet online each of the responsibilities and when each segment of the application is completed.

Tools Utilized:

The following tools will be used throughout the development of the application:

Version Control: Git/GitHub

Task Management: Trello/Jira/GitHub Projects

• Diagramming & Design: Graphviz/Google Sheets/Figma

Development Environment:

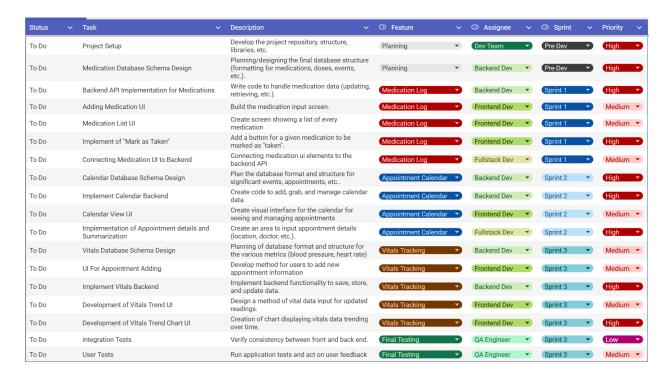
VS Code: Core editor for the project as a whole

React: FrontendNode.js: Backend

MongoDB/PostgreSQL: Database

Development Workflow:

I will follow the workflow below for every task, so that all code and project components will be thoroughly reviewed and tested before publication.



Workflow Stages:

1.	To Do: What still needs to be done in the sprint
2.	In Progress: the task is actively being worked on
3.	In Review/Testing: the task is complete, but code/component still needs to be reviewed and thoroughly tested
4.	Done: code/component has passed review and testing and is integrated into the main application

Application Development Timeline Diagram:

