**Task Manager App Documentation**

**Timeline:**

1. Week 3: Brainstorming of Web Application Ideas
2. Week 4: Project Proposal
3. Week 5: Project Setup
4. Week 6: Project Build
5. Week 7: Project Final Build and Deployment

**Application Specifications - Required Technology:**

1. Front-End: HTML, CSS, Tailwind/Bootstrap, JavaScript, React/Next.js
2. Back-End: Node.js, Express, JWT, Database (Postgres)
3. Project Management: Azure DevOps Boards
4. Code Management: Azure DevOps Repo
5. Deployment / Cloud Platform: Render

**Functionality of the Application (What it can do):**

1. User Registration and Authentication
2. Allow users to register and create an account.
3. Provide user authentication and secure login functionality.
4. Display a user-specific dashboard upon successful login.
5. Show relevant information and data based on user preferences.
6. Enable users to create, update, and delete content (tasks).
7. Implement a search feature to allow users to find specific content.
8. Enable filtering and sorting options for search results.
9. Handle API requests and responses securely and efficiently.
10. Provide notifications to users for important events or updates
11. Form Handling and Validation
12. Forms for user input have both client-side and server-side validation.
13. Ensure appropriate error handling and error messages.
14. Allow users to provide feedback and reviews via email.
15. Users can also report issues or suggest improvements.
16. Implement security measures to protect against common web application vulnerabilities (e.g., cross-site scripting, SQL injection).
17. Ensure secure data storage and transmission.

**Testing:**

1. Carried out unit tests to ensure the application works as expected.
2. Perform integration testing to verify that different components work together.
3. Documentation of the work done
4. Documentation for the app, including installation and usage instructions.
5. Included a README file with a description of the project and its features.