#### Project ChartER

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| **Project Name: Todo List** | **Prepared By: Saurabh Kale** | **Date: 3/12/2024** |

**Fill out in bullet format.**

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| Project Description | |
| Statement of Problem/Opportunity/Need (what are we doing?) | The project aims to address the need for a collaborative and customizable Todo list application that allows users to efficiently manage their tasks and share lists with others. |
| Project Justification and Rationale (why are we doing this?) | The project is being undertaken to provide users with a modern and user-friendly solution for managing their tasks and collaborating with others. It aims to improve productivity and organization by offering features such as personalized Todo lists and collaborative sharing. |
| Scope (Boundaries for the project – what’s in) | * Development of a web application using ReactJS for frontend, NodeJS for backend, and SQL for database management. * Implementation of CRUD operations for managing todo lists and tasks. * Integration of Git for version control and Docker for containerization. * Support for collaborative sharing of todo lists. * Development of user-friendly interfaces for creating and managing todo lists. |
| Items Out of Scope (Boundaries for the project – what’s out) | * Integration with external services beyond Git and Docker. * Advanced features such as AI-based task creation. * Mobile application development. |
| Business Objectives/Benefits (Tangible results to be achieved) | * Improved task management and organization for users. * Increased collaboration and productivity among users. * Demonstrating proficiency in modern web development technologies |
| Involved Stakeholders (who is involved, to what  degree) | * Developers * End users (people who will be using the application) * Guide (person who will oversee project) |

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| Constraints | * Time constraints for project completion. * Resource limitations (such as hardware and software availability). |
| Risks | * Technical challenges in integrating frontend, backend, and database. * User acceptance and adoption of the application. |
| Major Milestones and Key Events | * Completion of frontend development. * Integration of backend and database. * Implementation of supervisor feature. * Testing and debugging phases. * Final deployment and user acceptance testing. |
| Key Project Deliverables (High-level list of deliverables to be produced) | * Fully functional web application. * Presentation/demo of the application. |
| Project Resources (Technology – software and hardware that will be used) | * Software: ReactJS, NodeJS, SQL, Git, Docker. * Hardware: Development machine(s) for coding and testing. |
| Business Requirements | * User-friendly interface. * Secure data storage and access. * Scalability for future updates and enhancements. |