**Task-manager as Pedal Start Assignment**

**Design**

* Design involves three different components,
  + A **front-end component** which provides an interface for the users to manage tasks.
  + A **back-end component** to interact with the User Interface and the Database.
  + A **Database** to store and retrieve the tasks and their details.
* Front-end structure involves,
  + A **Task List component** to list tasks(the landing page).
  + A **Task Form Component** to receive details from the user.
  + A **Task Item Component** representing each task.
  + A **Task Detail Component** to view detailed description of a task.
  + Users can **Create, Read/List, Update or Delete** any task.
* Back-end structure involves,
  + **DB(Database)** to connect to Database.
  + **Task Model** to model the data in and out of the Database.
  + **Task Route** API access routes.
  + **Task Controller** to define the functions of API routes.
  + **App** to handle the fundamental logic of the application.

**TechStack**

* ReactJS along with CSS are used for the User Interface.
* NodeJS is used for Application Logic.
* MySql-Database is used for storage and retrieval of the data.

**Challenges and Future Enhancements**

* Time constraint is one of the challenges faced.
* Hosting a dynamic website along with a database-support is a challenge and aimed to be fulfilled as one of the Future Enhancements.
* Other enhancements or future improvements include a better and more responsive User Interface, more details to be added for a task.