PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCES

MSc Software Systems – Semester II

18XW28 –Web Designing Lab – Package Topic Submission

Roll No(s) :   19PW25 , 19PW22

Name of the Student(s) :    S RITHESH ,  R TARUN PRITAM

Package Topic :    TASK MANAGER REST API

Date of Submission :    03/03/2020

Technology and Tools used :    NODE.js , mongoDB , Postman , SendGrid

Abstract:    A REST (Representational state transfer)  API created to handle tasks, every user can create a account, manage their tasks, upload files and set a profile picture.

Every Account is password (Encrypted Form)  protected and their E-mail is authenticated using SendGrid, all the user and task data are stored in mongoDB's  NOSQL Database. Various npm modules have been set up such as express to host the server,mongoose to handle data validation and sanitization, sharp to auto crop and format images and etc. Sorting,Filtering and Pagination of data have been taken care. Every user is provided a unique token for requesting. All requests are handled through promises and AsyncAwait to make the code synchronous like. Various other features like ECMAScript 6 have been implemented, NODE.js makes the application asynchronous. This API can be used in other programs as well.

All data served is in JSON form.

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