System Requirements Specification Index

For

C++ File Handling Basic

Application

**Version 1.0**

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**C++ File Handling Basic Application**

**System Requirements Specification**

# Project Abstract

**C++ file handling basic application** is a pure c++ application with basic file handling operations.

# Common Constraints

1. Implements common methods used in file handling operations.
2. You need to write down the definitions for multiple function in fileOperations.cpp file.

# Template Code Structure

**Resources**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Function** | | **Description** | | **Status** |
| **isFilePresent** | * This function will check if file is present or not. | | Partially implemented. | |
| **createFileAndWriteData** | * This function will create a file and write some data in it. | | Partially implemented. | |
| **openFileAndAppendData** | * This function will open a file and append some data in it. | | Partially implemented. | |
| **readData** | * This function will read the data from file. | | Partially implemented. | |
| **searchText** | * This function will search some text from the file. | | Partially implemented. | |

# Execution Steps to Follow

1. **All actions like compile, running application, running test cases will be through Terminal.**
2. **To open the command terminal the test takers, need to go to the folder created with user email in Desktop folder, right click in it and click on open terminal.**
3. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**
4. **You can use pre-installed editor i.e VS CODE for code implementation.**
5. **To compile your project use command:**

**g++ -std=c++11 -I/usr/local/include main.cpp -L/usr/local/lib -lgtest -lpthread -lcurlpp -lcurl -o main**

1. **To run and test your project, use the command.**

**./main**

1. **You must push your code after completing implementation. For pushing the files, you can use git from VS CODE. You can click on “Source Control” from the left bar and follow steps as:**
   1. **First add the changed files. (by clicking on + sign)**
   2. **Add a commit message. (add a message from Message field)**
   3. **Push the code.(click on … option and click “push” option)**

**8. After pushing the code, you must submit your assessment by clicking on “Submit Application” button.**