Mini Project Report – Blood bank Management System

GLOBAL ENGINEERING ACADEMY

GENSIS

L&T Technology Services

Document History

Ver. Rel. No.	Release Date	Prepared. By	Reviewed By	Approved By	Remarks/Revision Details

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Problem Statement

The objective of this project is to develop blood bank management system, designed to handle the daily transaction of the blood bank and to search details when required. It also helps to register the details of blood doners, blood collection details as well as blood issued reports

Problem Description

The project aims at maintaining the information pertaining to blood donors, different blood groups available in the blood bank and help them manage in a better way, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. When a person wants to donate blood, he has to register by giving information like blood group, contact details etc.

Blood Bank management system can lead to error-free, secure, reliable and fast management systems.

Requirements

High Level Requirement

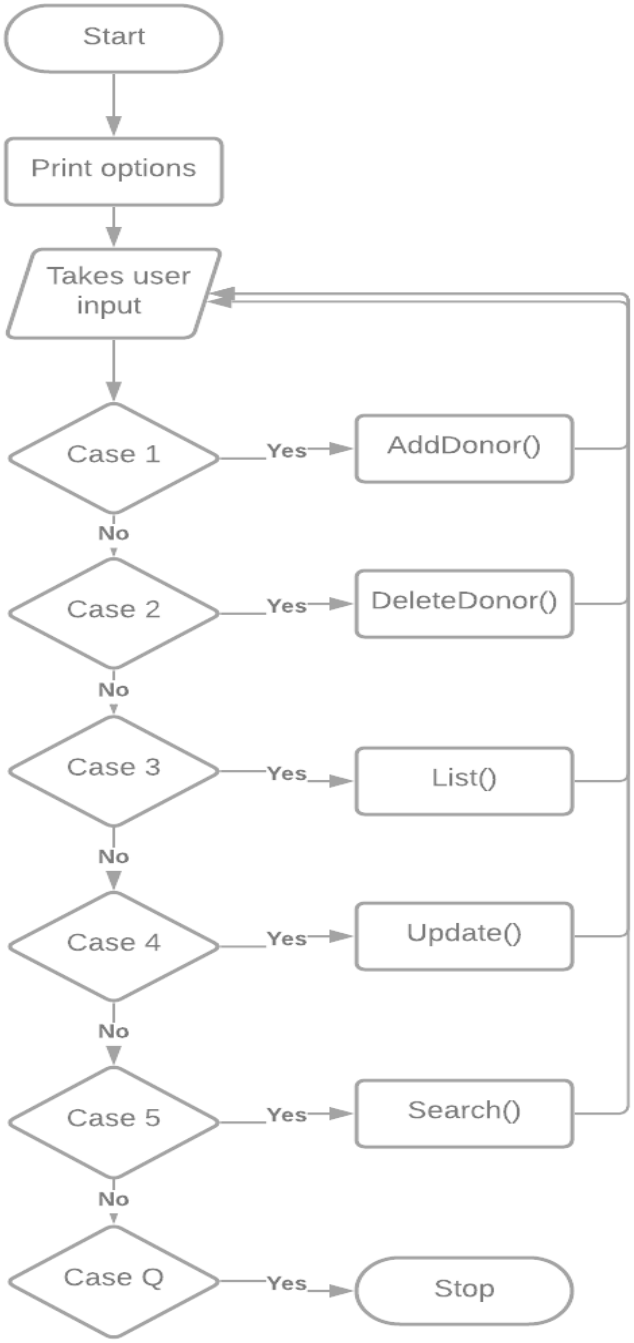
ID	Description
H01	To manage the operations of the blood bank
H02	To maintain the database of the donors

Low Level Requirements

ID	Description
H01_L01	To add a new donor to the database
H01_L02	To modify the details of an existing donor
H01_L03	To search for a donor
H02_L04	To list the donors in the database
H02_L05	To delete a particular donor

DESIGN

FLOW DIAGRAM



Test Plan

High Level Test Plan

ID	Description	Pre-Condition	Expected input	Expected Output	Actual output
H01_T01	To test the operations of the menu-driven system	Choice must be one of the listed	1,2,3,4,5,'Q'	Specified choice is selected	

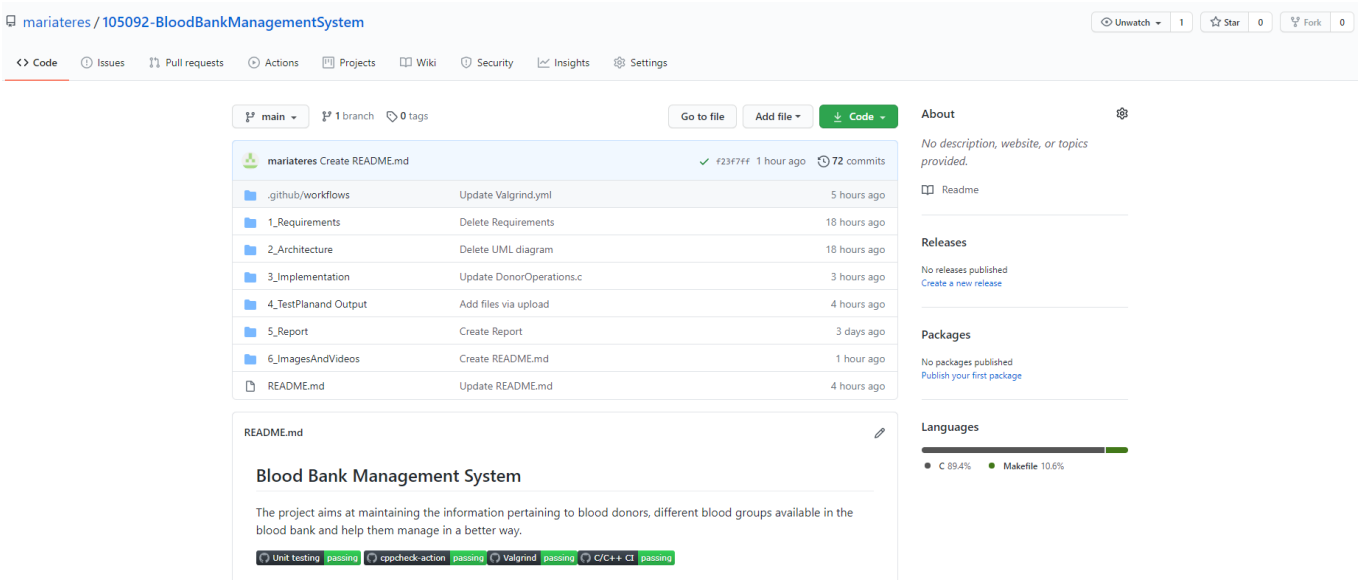
Low Level Test Plan

ID	Description	Pre-Condition	Expected input	Expected Output	Actual output
H01_L01_T01	To add a donor	Choice 1 is selected	Detail of donor	Donor detail added	
H01_L01_T02	To delete a donor detail	Choice 2 is selected	Acc no. of the donor	Donor detail deleted	
H01_L02_T03	To list all donor detail	Choice 3 is selected	No input required	List of all the donors	
H01_L02_T04	To modify a donor detail	Choice 4 is selected	Detail to be modified	Modify the donor detail	
H01_L02_T05	To find a donor by blood group	Choice 5 is selected	Blood group required	Matching donor detail	

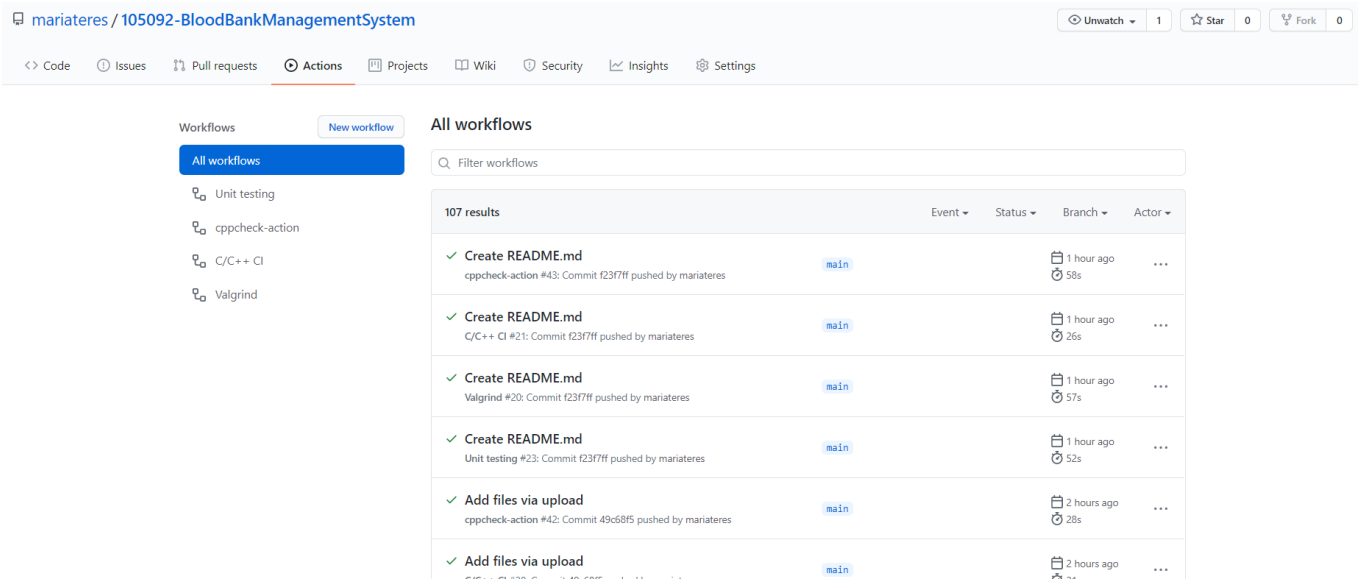
Github Link

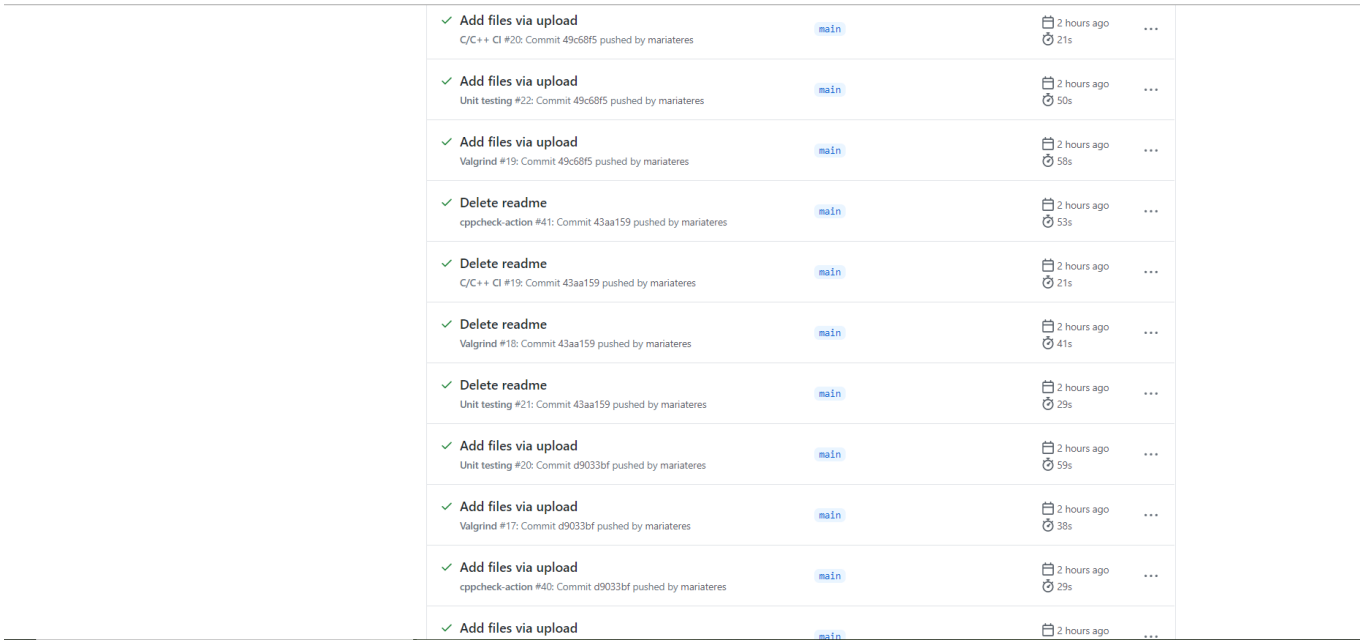
https://github.com/mariateres/105092-BloodBankManagementSystem

Repository

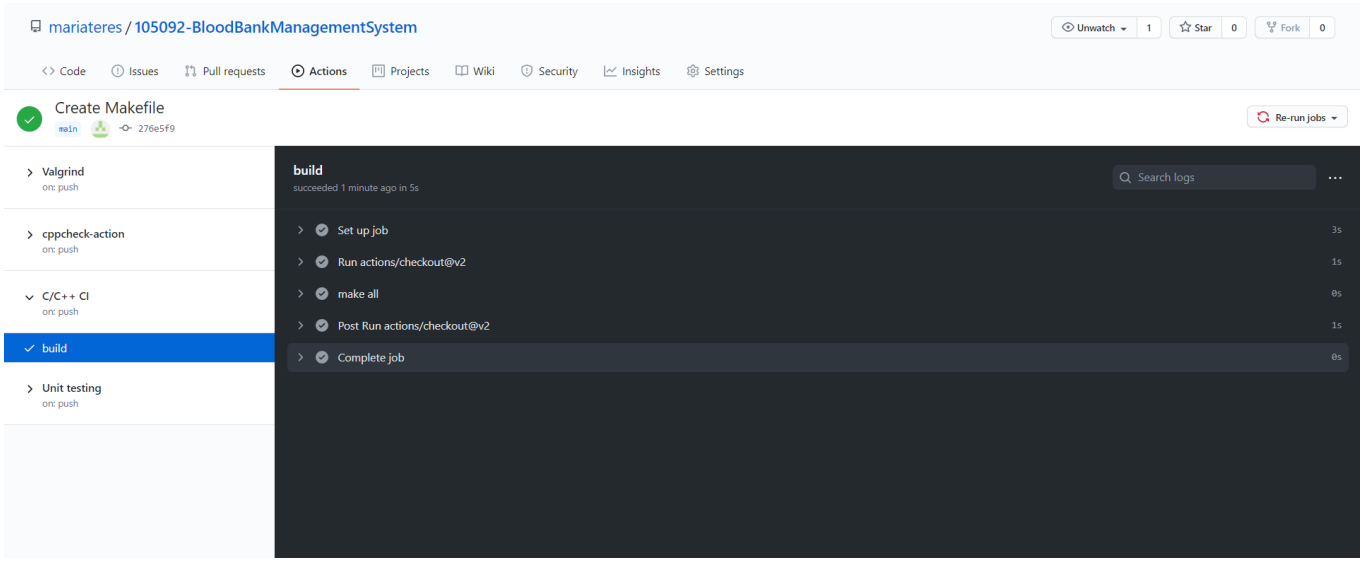


Code Commits

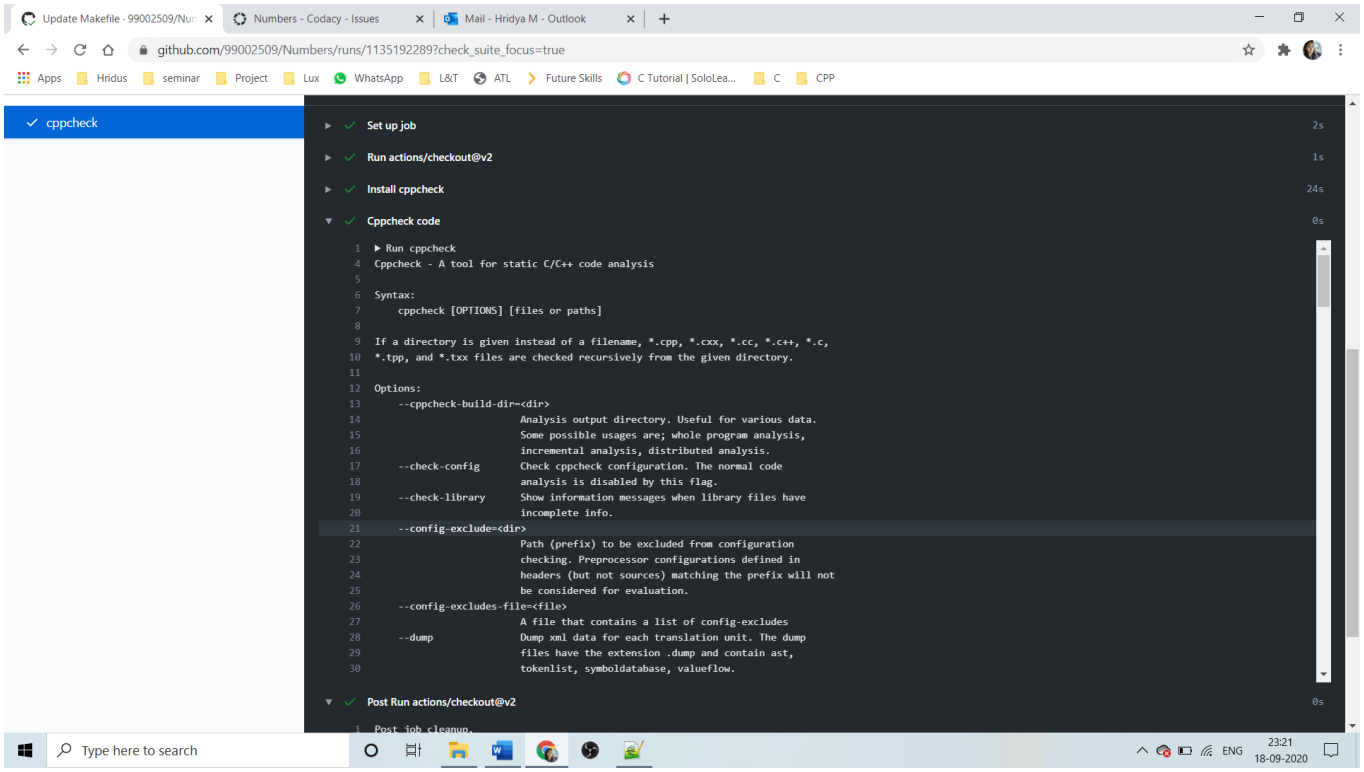
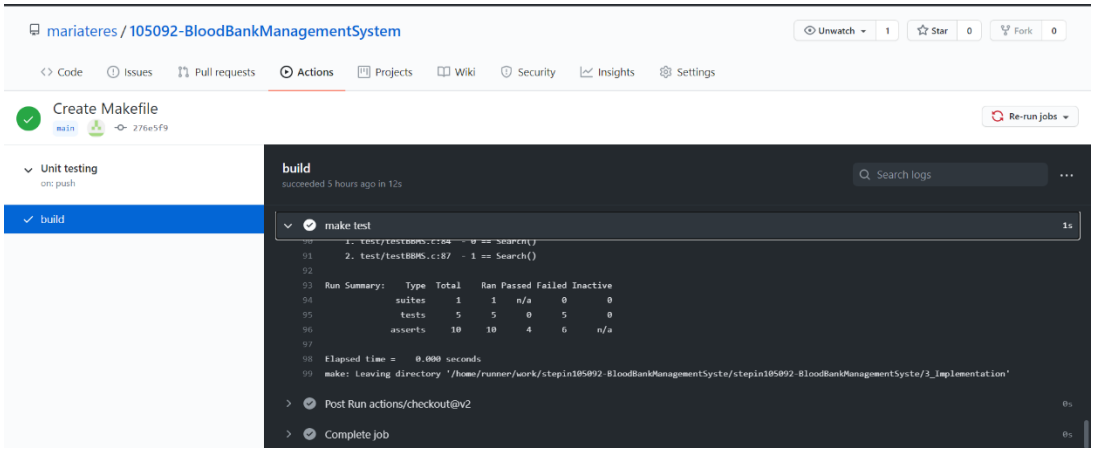



Add files via upload
C/C++ CI #20: Commit 49c68f5 pushed by mariateres
main
2 hours ago
21s
Add files via upload
Unit testing #22: Commit 49c68f5 pushed by mariateres
main
2 hours ago
50s
Add files via upload
Valgrind #19: Commit 49c68f5 pushed by mariateres
main
2 hours ago
58s
Delete readme
cppcheck-action #41: Commit 43aa159 pushed by mariateres
main
2 hours ago
53s
Delete readme
C/C++ CI #19: Commit 43aa159 pushed by mariateres
main
2 hours ago
21s
Delete readme
Valgrind #18: Commit 43aa159 pushed by mariateres
main
2 hours ago
41s
Delete readme
Unit testing #21: Commit 43aa159 pushed by mariateres
main
2 hours ago
29s
Add files via upload
Unit testing #20: Commit d9033bf pushed by mariateres
main
2 hours ago
59s
Add files via upload
Valgrind #17: Commit d9033bf pushed by mariateres
main
2 hours ago
38s
Add files via upload
cppcheck-action #40: Commit d9033bf pushed by mariateres
main
2 hours ago
29s
Add files via upload
main
2 hours ago

Build


mariateres / 105092-BloodBankManagementSystem
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Create Makefile
main
276e5f9
Re-run jobs
Valgrind
on: push
cppcheck-action
on: push
C/C++ CI
on: push
build
Unit testing
on: push
build
succeeded 1 minute ago in 5s
Search logs
Set up job
3s
Run actions/checkout@v2
1s
make all
0s
Post Run actions/checkout@v2
1s
Complete job
0s

CPP check


Update Makefile · 99002509/Nu
Numbers - Codacy - Issues
Mail - Hridya M - Outlook
github.com/99002509/Numbers/runs/1135192289?check_suite_focus=true
Apps
Hridus
seminar
Project
Lux
WhatsApp
L&T
ATL
Future Skills
C Tutorial | SoloLea...
C
CPP
cppcheck
Set up job
2s
Run actions/checkout@v2
1s
Install cppcheck
24s
Cppcheck code
0s
Run cppcheck
Cppcheck - A tool for static C/C++ code analysis
Syntax:
cppcheck [OPTIONS] [files or paths]
If a directory is given instead of a filename, *.cpp, *.cxx, *.cc, *.c++, *.c,
*.tpp, and *.txx files are checked recursively from the given directory.
Options:
--cppcheck-build-dir=<dir>
Analysis output directory. Useful for various data.
Some possible usages are; whole program analysis,
incremental analysis, distributed analysis.
--check-config
Check cppcheck configuration. The normal code
analysis is disabled by this flag.
--check-library
Show information messages when library files have
incomplete info.
--config-exclude=<dir>
Path (prefix) to be excluded from configuration
checking. Preprocessor configurations defined in
headers (but not sources) matching the prefix will not
be considered for evaluation.
--config-excludes-file=<file>
A file that contains a list of config-excludes
--dump
Dump xml data for each translation unit. The dump
files have the extension .dump and contain ast,
tokenlist, symboldatabase, valueflow.
Post Run actions/checkout@v2
0s
Post job cleanup.
Type here to search
ENG
23:21
18-09-2020

Unit testing