./

Mini Project Report – Blood bank Management System



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| **Ver. Rel. No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **Approved By** | **Remarks/Revision Details** |
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**Document History**

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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 Requirements**

|  |  |
| --- | --- |
| **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 |  |

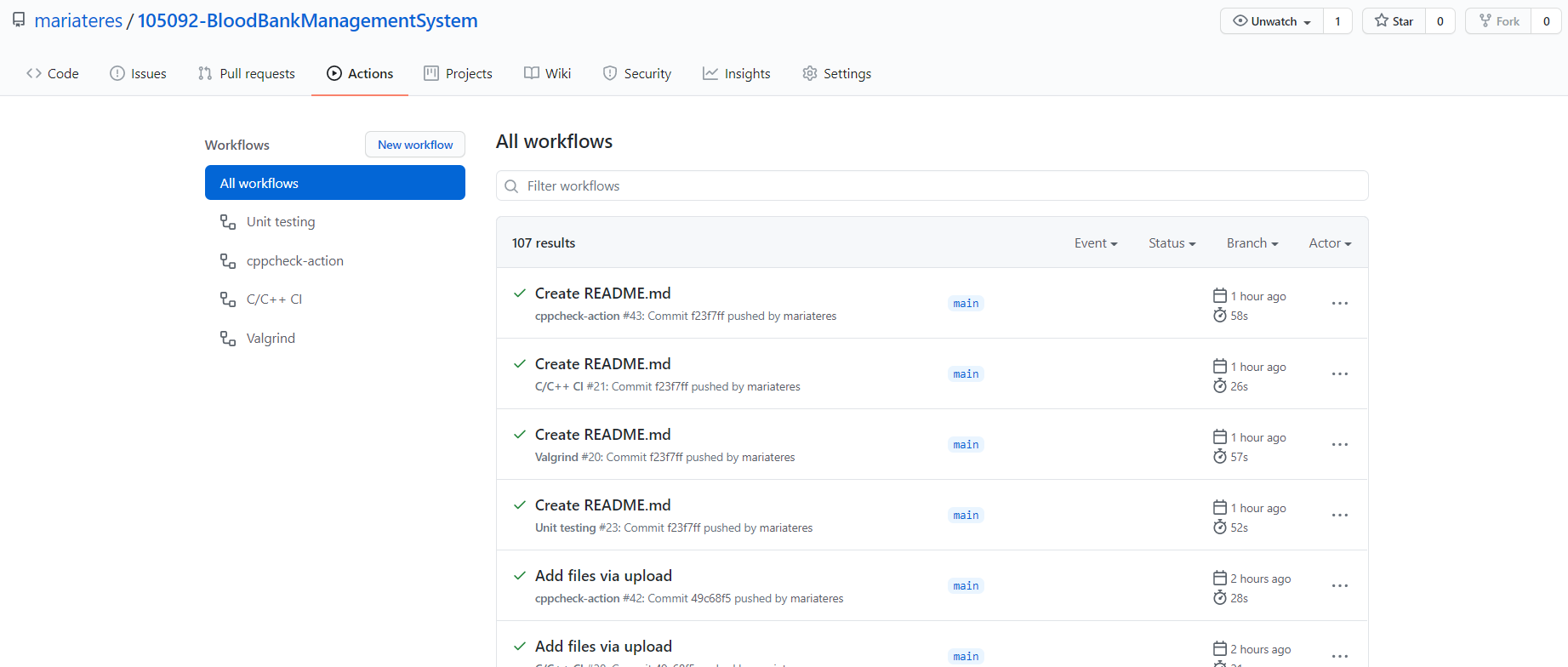
# Github Link

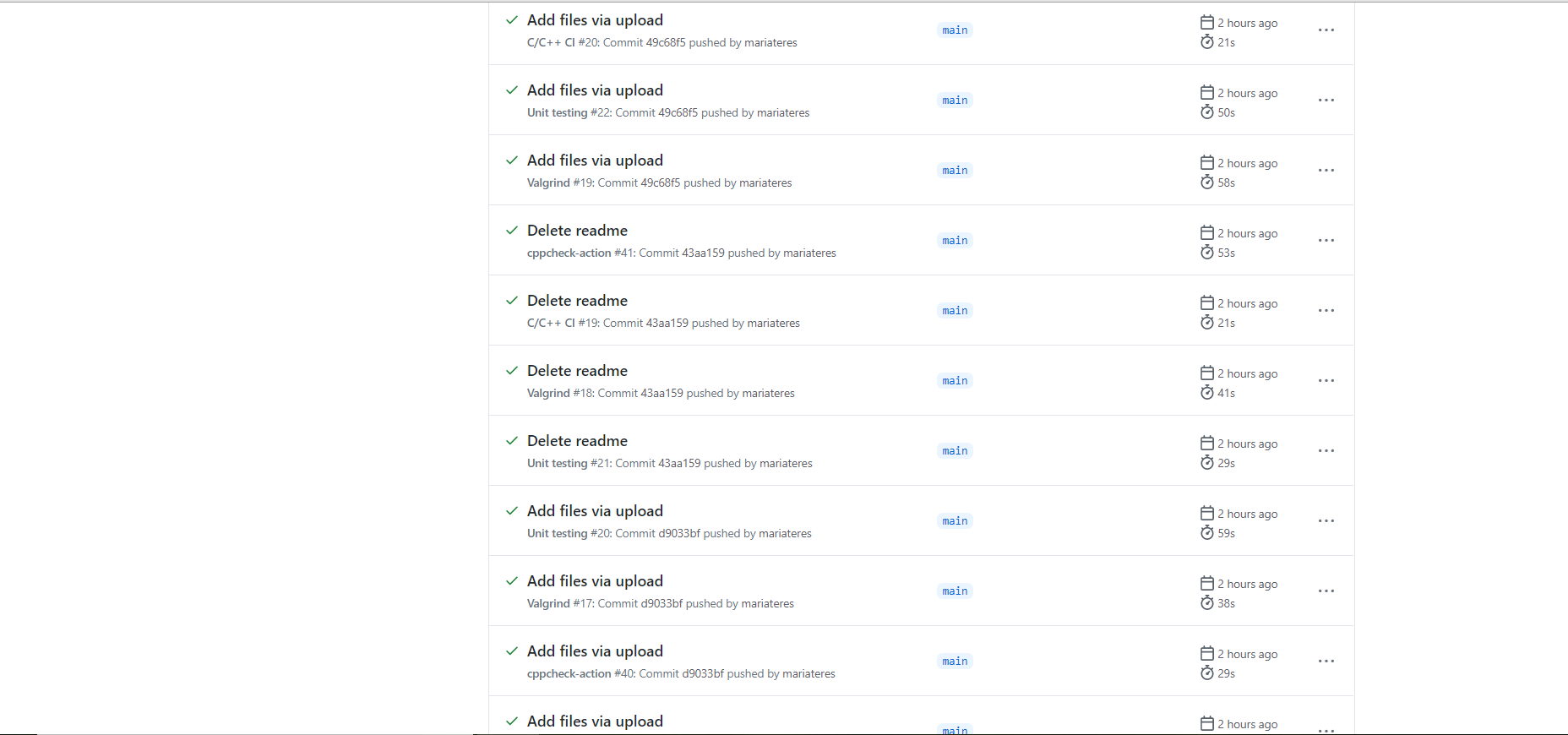
<https://github.com/mariateres/105092-BloodBankManagementSystem>

# Repository

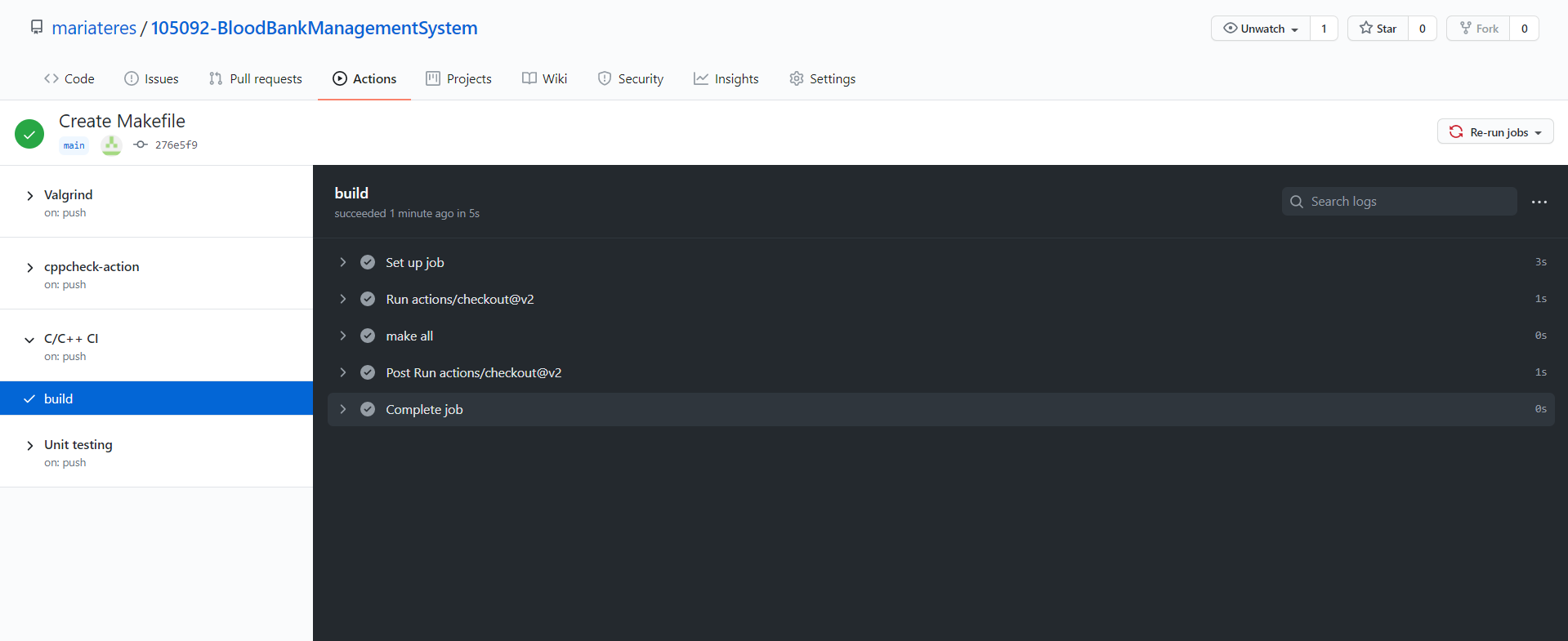
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## **Code Commits**

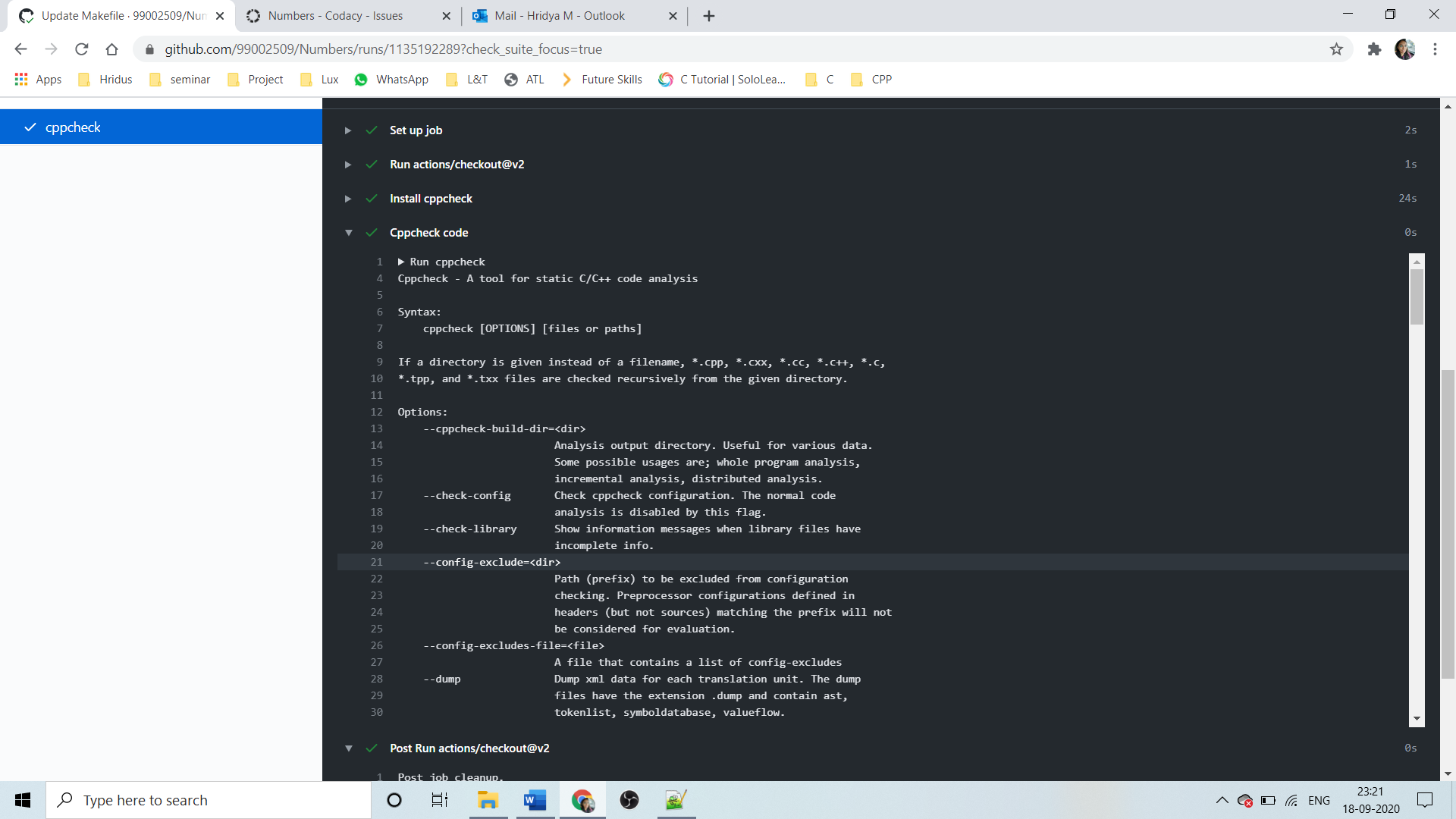




## **Build**



## **CPP check**



## **Unit testing**

