



POLITECNICO
MILANO 1863

2020

WEB APPLICATION'S TEST REPORT

VERSION 1.0

June 8, 2020

Deliverable: TestReport

Title: Test Report

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Date: 8 June 2020

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1. Purpose of the document:

The Purpose of this document is to review the test plan of HATUA Web Application which is described in the design document of the application and can be reached from [Github](#), and present the results of the testing process.

2. Application Overview:

The application undergoing the testing process is a web application that aims to create a hub for multiple users to visualize data extracted from the HATUA Global Antibacterial Resistance Initiative. It will allow users to register to the web site, search for specific data, and communicate with each other.

3. Testing Scope:

The test process was implemented on a number of the web application's core functions, which include:

- i) Register.
- ii) Login.
- iii) Search.
- iv) Add Comments.

4. Out of Scope:

Performance Testing was not done for this application.

5. Metrics:

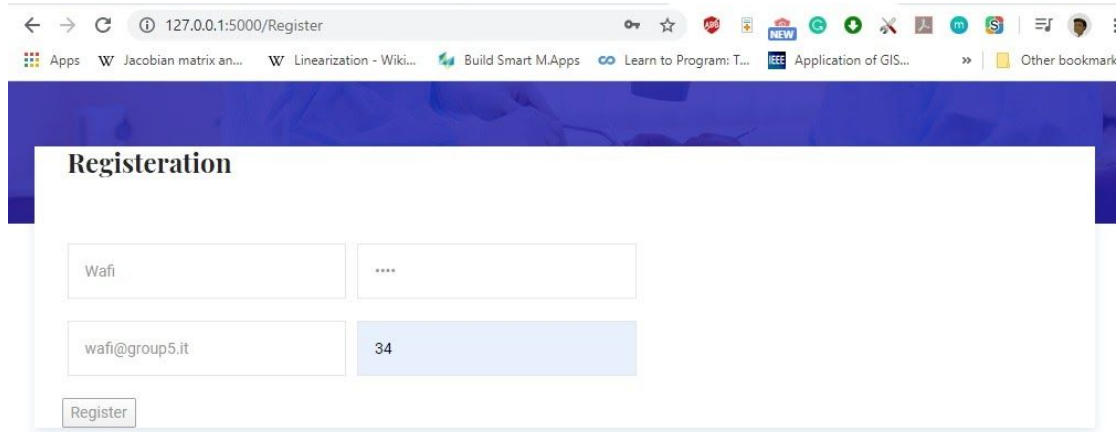
| Test cases planned | Test cases executed | Test cases passed | Test cases failed |
|--------------------|---------------------|-------------------|-------------------|
| 14 | 14 | 13 | 1 |

6. Tested Functions:

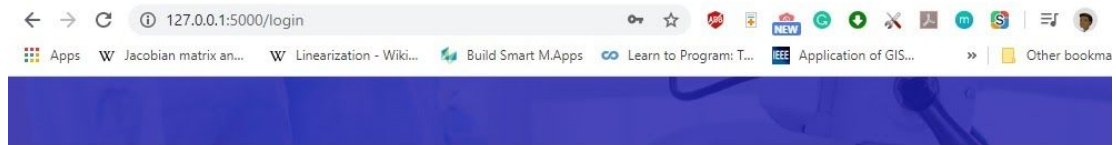
6.1 Register test cases

i) Register 1.0:

Information stored correctly and user redirected to login page.



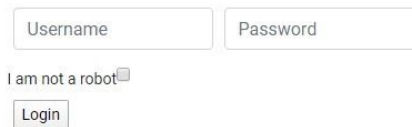
A screenshot of a web browser showing the 'Register' page. The browser's address bar displays '127.0.0.1:5000/Register'. The page has a blue header and a white registration form. The form contains four input fields: a first name field with 'Wafi', a password field with four asterisks, an email field with 'wafi@group5.it', and a CAPTCHA field with the number '34'. A 'Register' button is located at the bottom left of the form.



A screenshot of a web browser showing the 'Login' page. The browser's address bar displays '127.0.0.1:5000/login'. The page has a blue header and a white login form. The form contains two input fields: 'Username' and 'Password'. Below these fields is a checkbox labeled 'I am not a robot' and a 'Login' button.



Login



A login form with two input fields: 'Username' and 'Password'. Below these fields is a checkbox labeled 'I am not a robot' and a 'Login' button.

ii) Register 2.0:
Empty email field.

The screenshot shows a web form titled "Registration" with a blue header. The form contains four input fields: "MustafaEid" (pre-filled), a password field with four asterisks, an "Email" field (empty), and a "How Old Are you?" field. A "Register" button is at the bottom left. A yellow tooltip with an exclamation mark icon and the text "Please fill out this field." points to the empty "Email" field.

iii) Register 3.0:
Username field empty.

The screenshot shows a web browser window displaying the "Registration" form. The browser's address bar shows "127.0.0.1:5000/Register". The form has a blue header and contains four input fields: "Username" (empty), a password field with three asterisks, an "Email" field (pre-filled with "En"), and a "How Old Are you?" field. A "Register" button is at the bottom left. A yellow tooltip with an exclamation mark icon and the text "Please fill out this field." points to the empty "Username" field.

iv) Register 4.0:
Password field empty.

Registration

WAFI Password

Email How Old Are you?

Please fill out this field.

Register

v) Register 5.0:
Username already registered in database.

Registration

Username Password

Email How Old Are you?

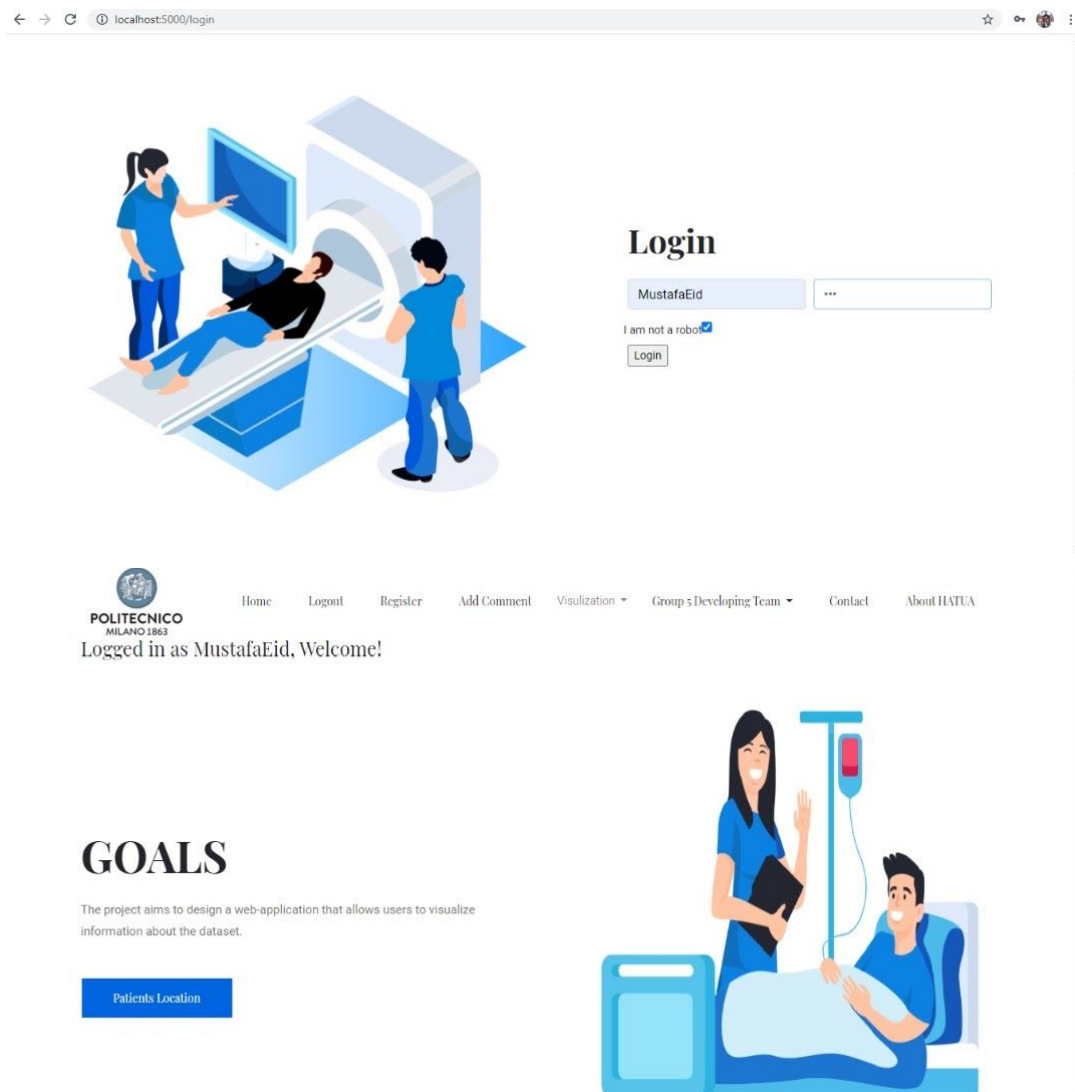
Register

Username already used! try another one

6.2 Login test cases:

i) Login 1.0:

Correct username and password.



ii) Login 2.0:
Wrong username



Login

☐ I am not a robot

Login failed! Wrong username

iii) Login 3.0:
Wrong password.



Login

☐ I am not a robot

Login failed! Wrong password

iv) Login 4.0:
Empty username field.



Login

Username

I am ☐  Please fill out this field.


Login

Empty password field.



Login

MustafaEid

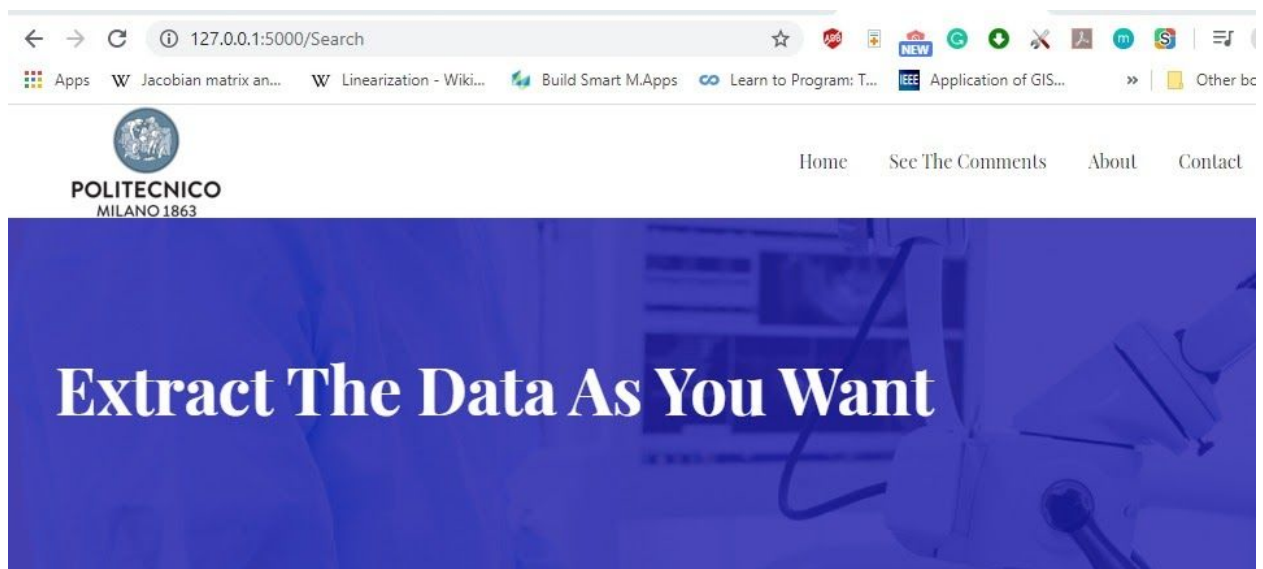
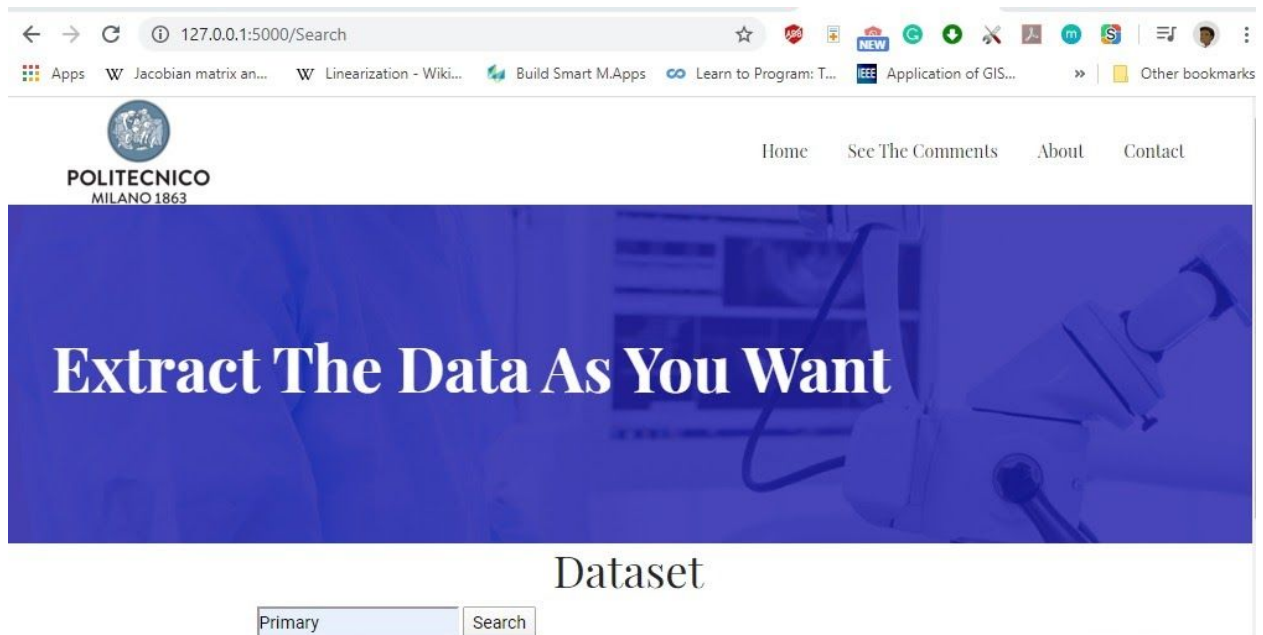
I am not a robot ☒  Please fill out this field.

Login

6.3 Search Test Cases:

Search 1.0:

Search item compatible with database.



Search by interview date, ' Search

11837 --- Female Never married --- Anglican / Protestant / other Christian --- Primary
UG0211828 --- Female Married --- Catholic --- Primary
UG0211560 --- Female Married --- Anglican / Protestant / other Christian --- Primary
UG0271591 --- Male Married --- Catholic --- Primary
UG0211783 --- Male Married --- Anglican / Protestant / other Christian --- Primary
UG0211803 --- Female Married --- Catholic --- Primary
10193 --- Female Married --- Catholic --- Primary
10192 --- Male Widowed --- Catholic --- Primary
10147 --- Female Never married --- Anglican / Protestant / other Christian --- Primary

Search 2.0:

Search item incompatible with database.

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000/Search'. The browser's bookmark bar contains several items, including 'Apps', 'Jacobian matrix an...', 'Linearization - Wiki...', 'Build Smart M.Apps', 'Learn to Program: T...', 'Application of GIS...', and 'Other bookma...'. The website header features the Politecnico Milano 1863 logo on the left and navigation links 'Home', 'See The Comments', 'About', and 'Contact' on the right. The main content area has a blue background with a blurred image of a robotic arm and the text 'Extract The Data As You Want' in large white font.

Dataset

This screenshot is identical to the one above, showing the same web browser window with the search result for 'Extract The Data As You Want'. It includes the same browser interface, bookmark bar, website header with the Politecnico Milano 1863 logo, and the main blue banner with the text 'Extract The Data As You Want'.

Dataset


Search by interview date,

Search 3.0:

User clicks the search button with an empty search bar.

← → ↻ ⓘ 127.0.0.1:5000/Search ☆

Apps W Jacobian matrix an... W Linearization - Wiki... Build Smart M.Apps Learn to Program: T... IEEE Application of GIS... >> Other bookmar

 POLITECNICO MILANO 1863

Home See The Comments About Contact

Extract The Data As You Want

Dataset

Search by interview date,

please fill the search

6.4 Add Comment Test Cases:

Add Comment 1.0:

Input added in comment box and confirmed.

127.0.0.1:5000/AddComment

Apps Jacobian matrix an... Linearization - Wiki... Build Smart M.Apps Learn to Program: T... Application of GIS... Other bookmark

Contribute To The Web App By Adding Your Comment



Add Comment

Supporting has come!

Add Comment

127.0.0.1:5000/Comments

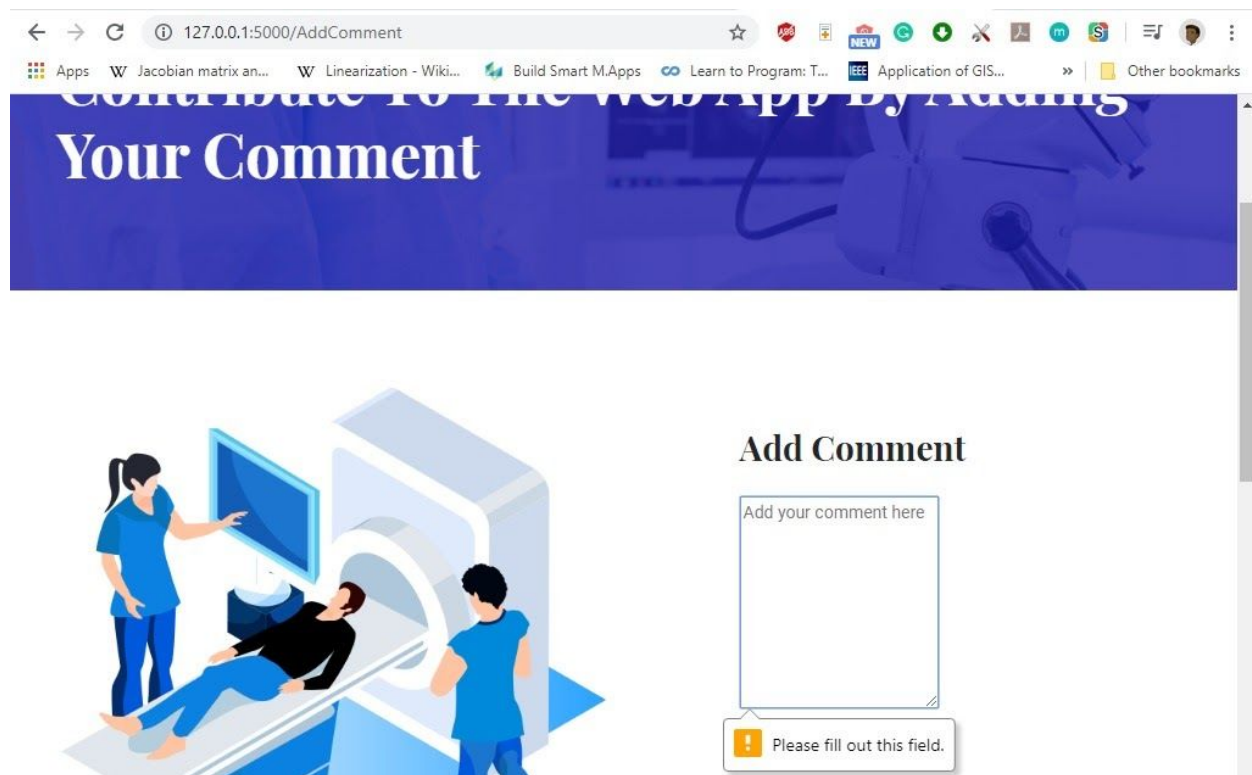
Apps Jacobian matrix an... Linearization - Wiki... Build Smart M.Apps Learn to Program: T... Application of GIS... Other bookmarks

Comments

| User | Commet No. | Comment |
|-------|------------|----------------------|
| Wafi: | 1 | Supporting has come! |

Add Comment 2.0:

User clicks on the comment button while leaving the comment box empty.



7. Types of testing performed

The testing process implemented the manual method of the Unit Testing approach, which identifies possible actions from the user and the corresponding expectation for each of these actions.

8. Test Environment & Tools:

| Application URL | Application Server | Database |
|-----------------------|--------------------|------------|
| http://127.0.0.1:5000 | WSGI | PostgreSQL |

9.Test Plan Results:

The implementation of the test plan brought back the following results:

| Test Case | Results |
|------------------|---------|
| Registration 1.0 | Success |
| Registration 2.0 | Fail |
| Registration 3.0 | Success |
| Registration 4.0 | Success |
| Registration 5.0 | Success |
| Login 1.0 | Success |
| Login 2.0 | Success |
| Login 3.0 | Success |
| Login 4.0 | Success |
| Search 1.0 | Success |
| Search 2.0 | Success |
| Search 3.0 | Success |
| Add Comment 1.0 | Success |
| Add Comment 2.0 | Success |