

# GENESIS - Learning Outcome & Mini-project Summary Report



LTTTS  
GLOBAL  
ENGINEERING  
ACADEMY



*L&T Technology Services*



## Details

Ver. Rel. No.	Release Date	Prepared. By	Reviewed By	To be Approved	Remarks/Revision Details
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**Miniproject -3 [Team] : MUSIC STREAMING WEBSITE DEVELOPMENT AND ITS TESTING****Module**

HTML, CSS, JavaScript, Jasmine, Selenium, Cucumber

**Topic and Subtopics**

- HTML
- CSS
- JavaScript
- Node Json server
- Automation scripting using selenium
- Maven build
- Cucumber BDD
- Junit testing

**Objectives & Requirements**

To make a music streaming website with register and login functionalities

**Requirements**

ID	Requirement
HL_01	Create a multi-page interactive website
HL_02	Should have registration component
HL_03	Should have login component
HL_04	Should run on a local Json server
HL_05	Should maintain an active database of registered users
HL_06	Successful login should redirect to the home page
HL_07	Should be able to stream music
HL_02_LL_01	Should validate user data on registration (implemented with JS)
HL_02_LL_02	Successful registration should write user data to json server
HL_03_LL_01	Should validate user data on log in (implemented with js)
HL_03_LL_02	User data should be verified with the local server
HL_07_LL_01	Clicking on play button should play music

## Design

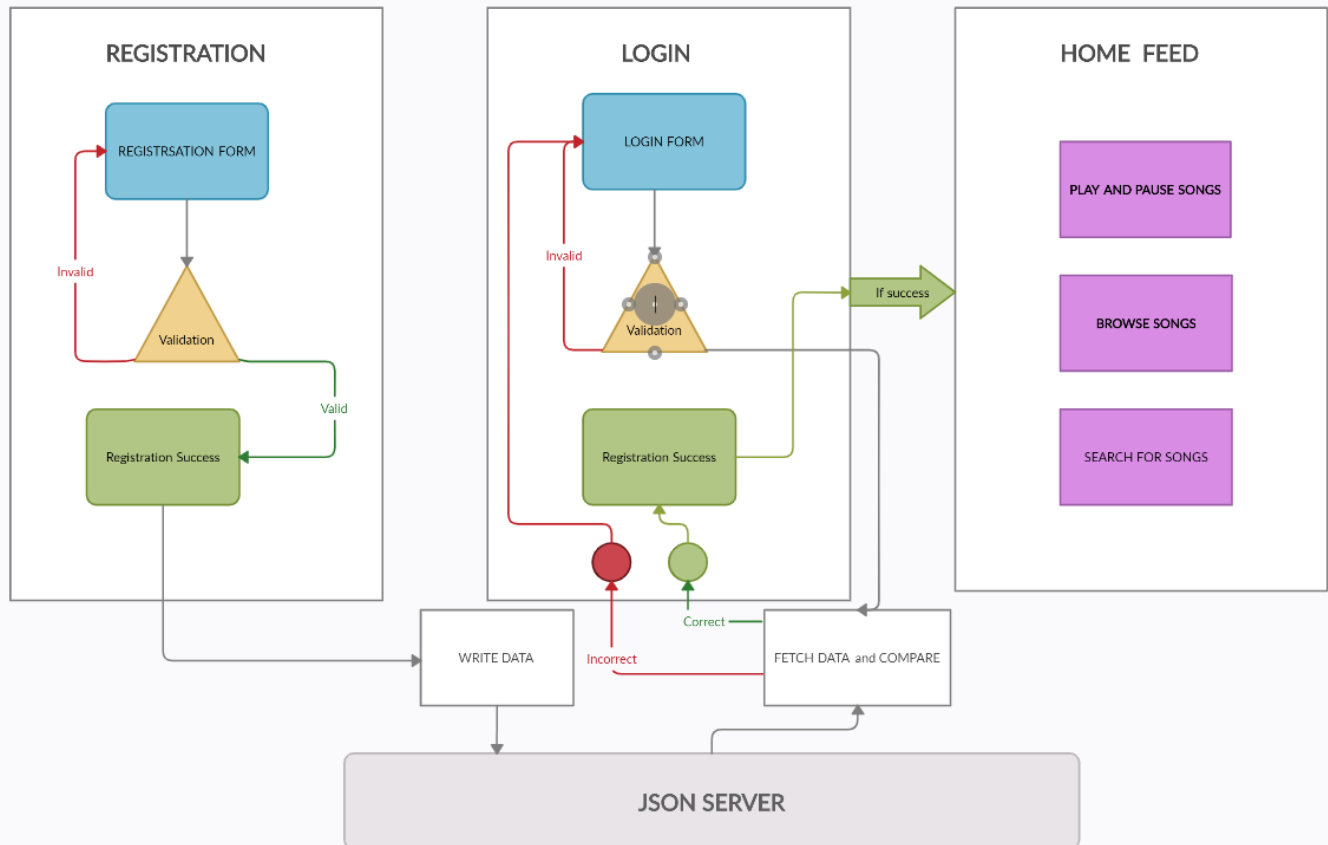


Figure 1 : WEB UML

## Test Plan

ID	Description	Expected	Result
T01_H01	Website should consist of multiple interactive pages	Multiple webpages are present	Passed
T02_H02	Should have registration component	Registration form should be available	Passed
T02_H02_L01	Should validate user data	All user data fields must be validated	Passed
T02_H02_L02	Should write to json server on successful registration	On successful registration, data is written to the local json server	Passed
T03_H03	Should have login component	Login form should be available	Passed
T03_H03_L01	Should validate user data on log in	All user data fields must be validated	Passed
T03_H03_L02	Should verify user data against server data	User credentials are verified against server data	Passed
T04_H04	Should run on a local server	All interactions are done with a local server	Passed
T05_H05	Should maintain an active database of users	All user data is stored on the server	Passed
T06_H06	Successful login should redirect to the home page	On successful login, user is redirected to the home page	Passed
T07_H07	Should be able to stream music	User can listen to music on the home page	Passed
T07_H07_L01	Clicking on play button should play music	User can start playing music by clicking on the play button	Passed

## Implementation Summary

We have developed an interactive website using HTML5, CSS and JavaScript. The entire website is designed as an end to end music streaming service where a user first has to register, then login and then listen to his/her desired songs. Additionally we are doing the unit testing of the same using jasmine framework and also automating the site testing using selenium and BDD(cucumber).

### Video Link

[Execution](#)

### Git Link

<https://github.com/99002670/2009MYSEMB03-WEB-9>

## Git Dashboard

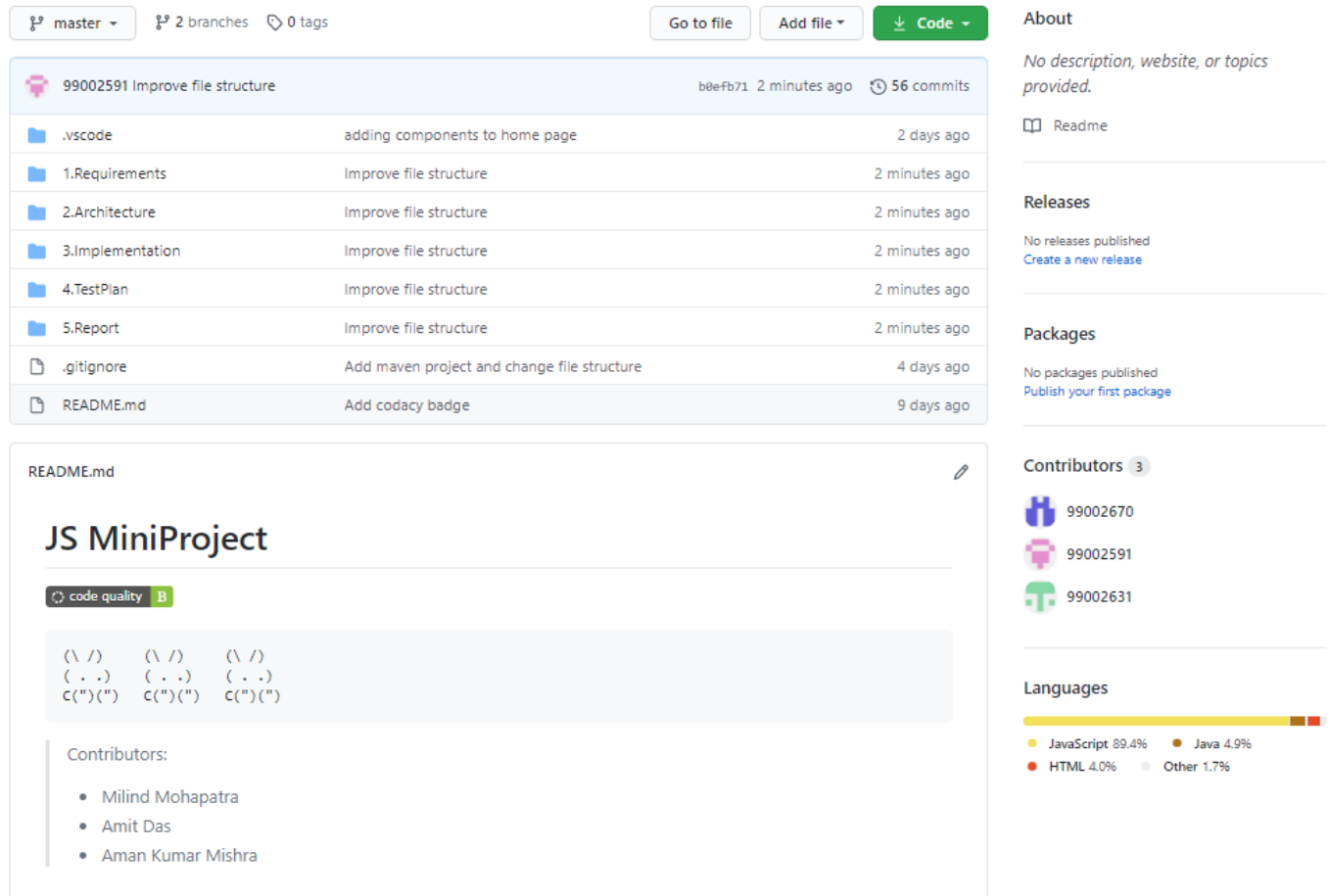


Figure 2 : Dashboard WEB

## Summary

1. Requirements: This contains the high level and low level requirements of the project
2. Architecture: This contains the necessary UML diagrams present in the project
3. Implementation: This contains the source code of the following project
4. Test Plan and output: This contains the test plan and the obtained outputs of the project
5. Report: This contains the report of the project

## Code quality

- No unused variables
- Modular program
- Easy and quick way to fix styling

### **Individual Contribution & Highlights**

- Worked on the backend and worked on creating json server and node media server
- Helped in feed UI design

### **Future Scope (If applicable)**

- Add an online server
- Add playlist functionality
- Add auto-suggestions