Test Completion Report

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Presented To

Edges Academy

Introduction

This report summarizes the testing efforts carried out on the **EDGES Reservation Software** as part of the final project for the Testing Diploma. The primary objective of this project was to validate the software's functionality and robustness by utilizing the CUnit framework, employing the various testing techniques and standards covered during the course. The software is written in C and consists of multiple components, including user authentication, course registration, and database management. It supports two types of users: Admin and Normal Users (Students), each with distinct functionalities.

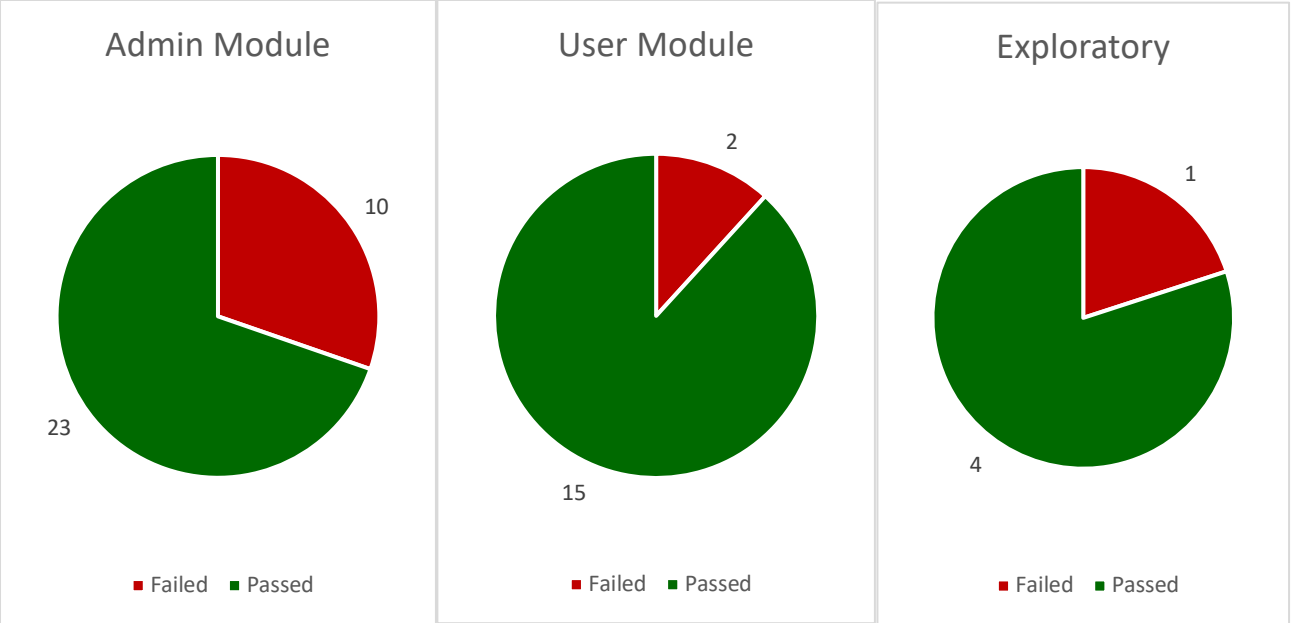
Test Overview

- **Software Name:** Final project for Testing Diploma
- **Modules Tested:**
  i. Admin functionalities :(Admin login, Register new account , Delete user , Check available courses , Print all users , Print Specific User
  ii. User functionalities (User registration, User login , User logout , Change Pass, course enrollment, Show enrolled courses)

Test Summary Coverage

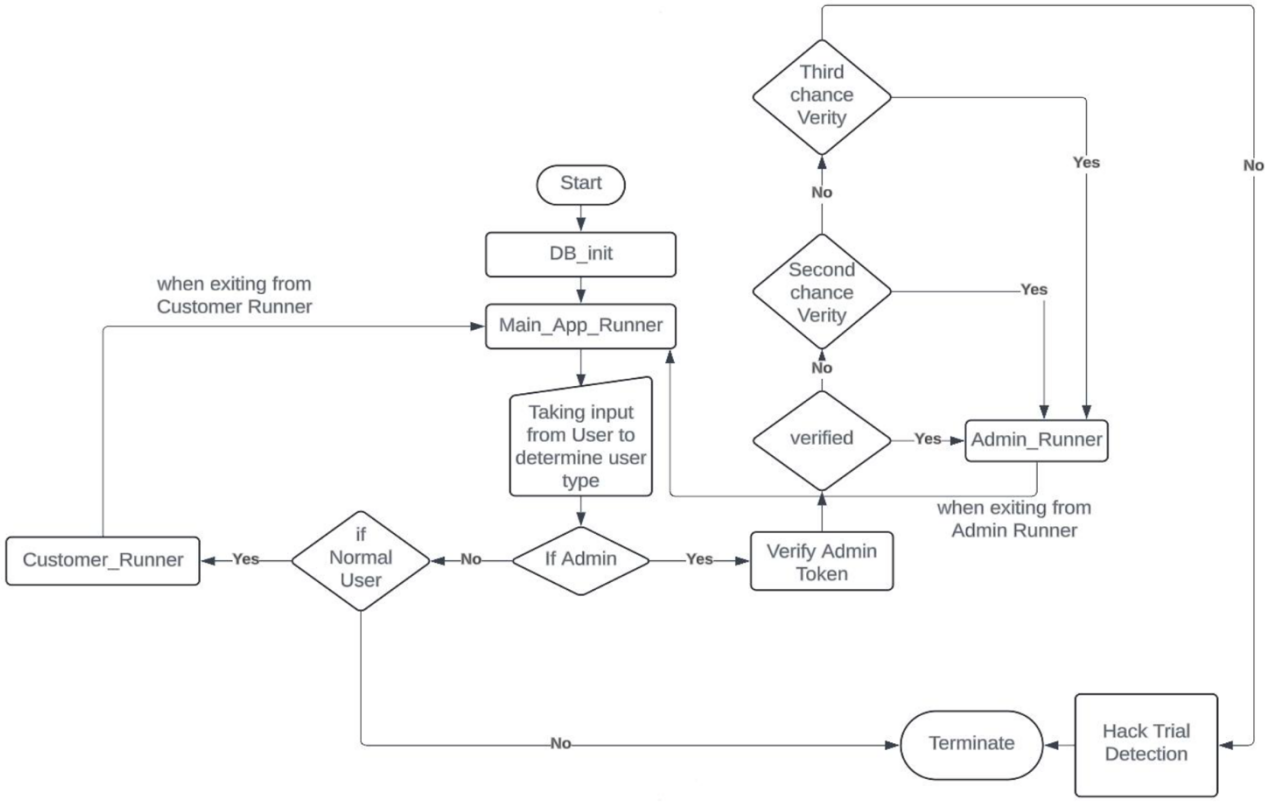
- **Total Number of Test Cases Executed**:

  i. Admin Module: 33 test cases
  ii. User Module: 17 test cases
  iii. Exploratory Testing: 5 test cases



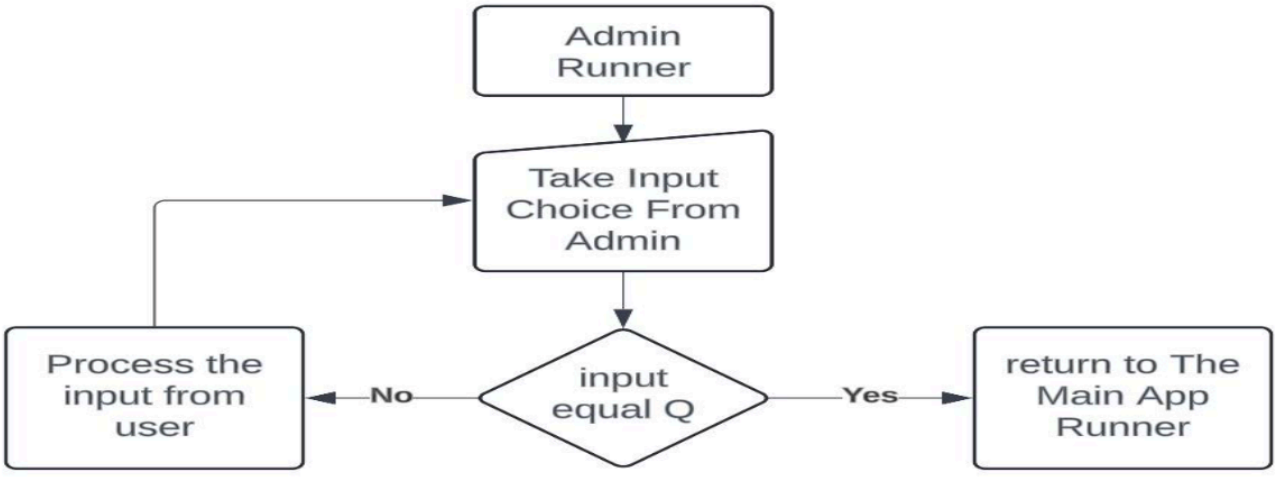
Coverage

The Main App Runner Function



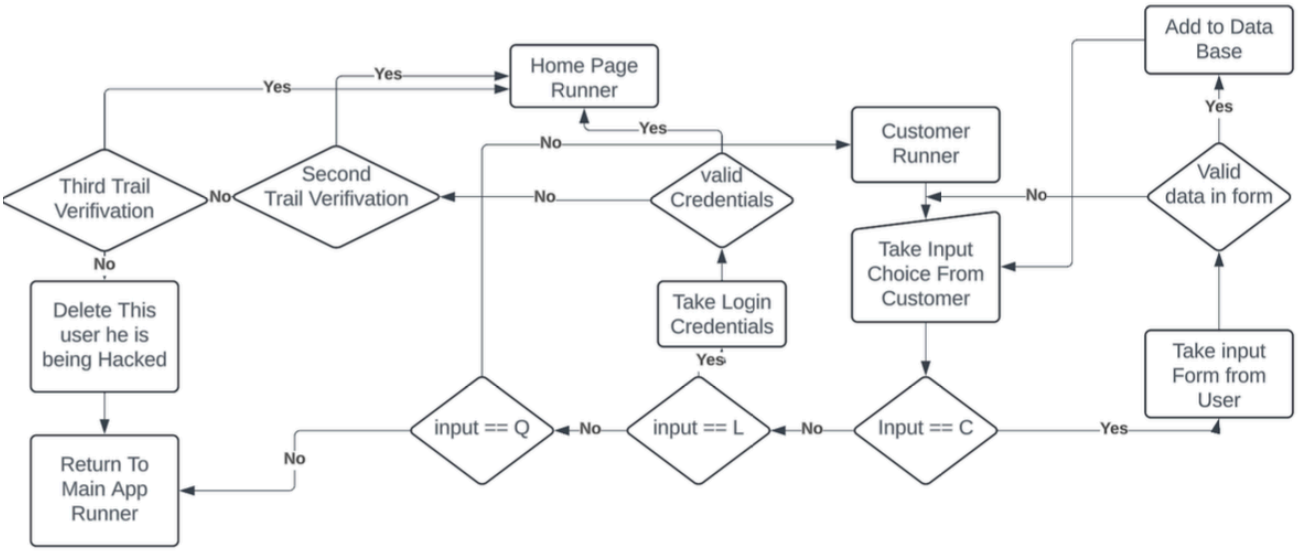
- Branch coverage by **100%**
- State coverage by **100%**

The Admin Runner



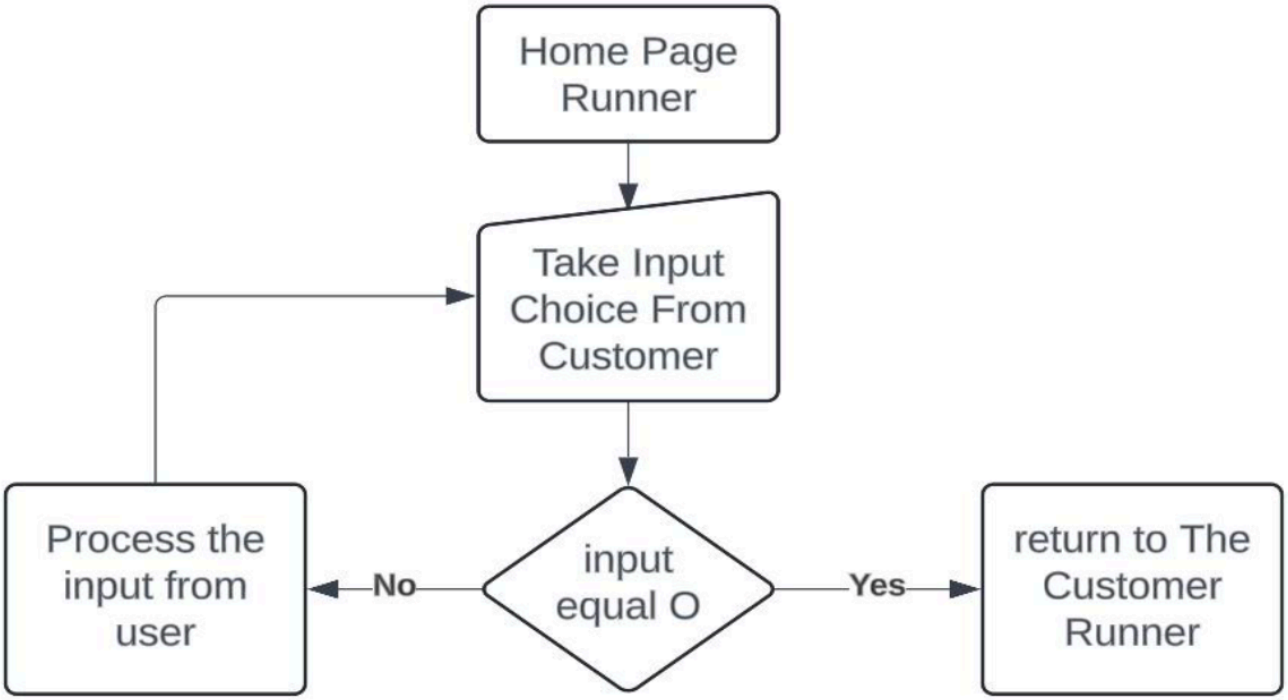
- Branch coverage by **100%**
- State coverage by **100%**

The Customer Runner



- Branch coverage by **100%**
- State coverage by **100%**

The Home Page Runner



- Branch coverage by **100%**
- State coverage by **100%**

Conclusion

Overall, the system demonstrates a high level of functionality, with **42 out of 55** test cases passing successfully. However, two critical bugs need to be addressed before moving to production. Exploratory testing indicated that the system handles edge cases well, and no additional issues were found during this phase.

Further testing will be required after the identified bugs are fixed to ensure full resolution and overall system stability.