# **Unit Testing Report**

Group - 15

#### Introduction

This document provides an overview of the unit testing conducted for the project using Jest and earlyAI. It covers both back-end testing and details related to coverage, methodology, and the benefits derived from the testing process.

#### **Tools and Frameworks:**

Jest: A JavaScript testing framework created to verify the accuracy and reliability of codebases.

#### White Box testing:

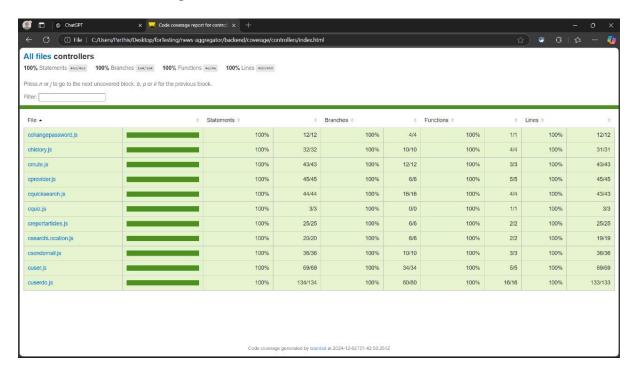
White-box testing is a software testing method that involves examining the internal structure, design, and implementation of the code. Testers have access to the source code and focus on verifying the logic, flow, and functionality of the system.

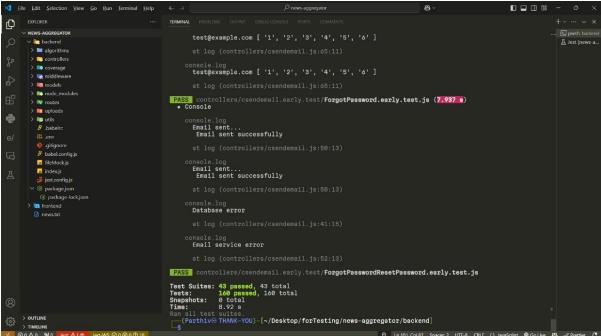
#### Why unit testing is essential?

- Improved Code Quality: Promotes the development of clean, modular, and easy-to-maintain code.
- Early Issue Identification: Detects problems at an early stage, reducing their impact on the overall project.

## Unit testing (for Backend)

### Overall coverage:





All the test cases have been passed.