

Test Coverage

-**Test coverage** refers to the extent to which the code of the application has been tested. In this application, it would mean ensuring that the web application has been thoroughly tested to ensure that it is functioning as intended. This includes testing the API endpoints, the CSV file parsing, and the integration with the Google Translate API.

-**API coverage** refers to the extent to which the application's API has been tested. In this application, it would mean ensuring that the API endpoints for uploading and retrieving farmer data have been thoroughly tested to ensure that they are functioning as intended. This includes testing that the API can accept and parse CSV files, that it can correctly translate the data, and that it can return the translated data in the desired language.

Test coverage for this application should include the following:

CSV file parsing: Application correctly parse a CSV file containing farmer data and extract the necessary information.

Google Translate integration: Application correctly use the Google Translate API to translate the farmer data into Hindi, Marathi, Telugu, and Punjabi.

Database storage: Application correctly store the translated data in the database and retrieve it as needed.

API endpoints: API endpoints for uploading and retrieving farmer data are working correctly, including proper error handling and validation.

Input validation: Application validate the input provided by the user and return appropriate error messages.

End to end testing: Test the whole application from start to end, testing all the functionalities together.