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Team 08

Software Design

CSCI-P465/565 (Software Engineering I)

Project Team

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1. Overview

This section provides an overview of the testing approach used to verify the software product.

1.1 Test Objectives

Ensure code works properly with unit tests and end-to-end tests, andproduces correct values as specified.

1.2 Test Environment

Frontend testing will be conducted with the Jest testing framework. Backend tests will be written with the Python standard library unittest package. They will be run on local development environments for first pass testing, and the deployment pipeline will also run them.

1.3 Test Personnel

Each team member will be responsible for writing test cases to ensure their code works as specified.

1.4 Acceptance Criteria

We will plan our tests so that each test case covers required functionality.All tests will be expected to pass before code can be deployed to production.If tests do not pass, the feature will be considered incomplete and will need to be finished.

1.5 Noted Omissions

Our current testing plan is to write both unit and integration tests, sothere will not be any major functionality that isn't covered by testing.

2. Test Cases

The test cases are the partitioning of the verification of the software into manageable sections. Often these sections correspond to the set of active use case scenarios, but can be organized as the test developer sees fit. Test cases should be in place to cover all of the software verification methods. Even non-execution based testing methods (i.e., inspection/analysis) may be detailed here. The intent is for the test case procedures to provide a repeatable verification of the software specification.

For each test case describe the following:

2.1 Front End Tests

```
Number:                  1
Name:                     Search Bar works
Description:              The user is able to submit a query
Initial Conditions:      FE posts query data to api
Input Data:              Query string

Number:                  2
Name:                     Details registration
Description:              User is able to enter details to register
Initial Conditions:      FE posts user object to /api/users
Input Data:              User js object
```

```
Number:               3
Name:                 Authentication
Description:          Auth0 integration
Initial Conditions:   Auth0 id is returned to client
Input Data:           Auth0 url
```

2.2 Backend Tests

```
Number:               4
Name:                 User registration
Description:          Backend should create a new user from
received data
Initial Conditions:   User row is inserted into the database
Input Data:           POSTed user data

Number:               5
Name:                 Profile Creation
Description:          Backend should create a profile row
Initial Conditions:   Backend adds row to db
Input Data:           POSTed profile data
```

Revision History

Revision	Date	Change Description

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