Testing Document and Specification
Test Reports

Alternate Project
Group 8
CS 451

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Introduction

Major obstacles and test issues will be documented here. This section will also include more detailed information on the most significant problem with completion of the project: full-stack integration on a working Django server. This step in the project was largely overseen by Lake Gatton and Thom Martin, and their experiences will be detailed here to elaborate and explain the unforeseen circumstances and how that ultimately prevented a workable prototype to be completed by the provided deadline. Other test defects will be noted in the following sections individually and more categorically.

DOCUMENT HAS BEEN EDITED UP TO THIS POINT - ADAM

Incidents

This section defines the incidents discovered while performing various tests on the system. Incidents are given a specific ID and detailed below.

Incident ID	1.0.0
Description	Login process not secure, can currently login using any, including non-existent, email and any password with at least one character
Originator	Zunair
Discover Date	April 26, 2021
Severity	High
Steps Required to Produce Incident	1. Enter any format of a@b.c for email 2. Enter any single character or string for password
Responder	Adam Flowerday
Current Status	Open
Cause	Incident is caused by "incomplete" script. Script could be temporarily altered to enable a type of "secure" sign in verifying the username and password but this was deemed unnecessary extra code as the goal is to ultimately use SQL database and python code for security
Resolution	TBD
Addressed Date	N/A
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	TBD

Incident ID	7.0.0-.7.0.3
Description	Integration functions through django dont work and html pages dont pull from database, AI program , or formatted correctly
Originator	Lake Gatton
Discover Date	April 26, 2021
Severity	High
Steps Required to Produce Incident	1. Go to any url after running server.
Responder	Lake Gatton
Current Status	Open
Cause	Incident is caused by incorrect format of the django code regarding the html files and all static files(css, png, jscript).
Resolution	TBD
Addressed Date	May 1, 2021
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	TBD

Defects

Defects detected in this testing process were few, but the main problem of full-stack integration was obviously the most significant and made for limited testing in general. Reflections on this defect would conclude that either there needs to be much more research and time dedicated to the integration on the server or, alternatively, the program would likely be easier to manage if it only ran on a local device as opposed to being accessible on the internet or intranet of the school. This would simplify the code a great deal and the testing could be done in a more ongoing way. Running on a local device would also allow for better security, generally speaking.

Summary

The testing procedure to date has been conducted using manual system testing and concurrent unit testing. Features tested include but are not limited to:

- Ability to use all the separate components in one webpage.
Test CAse: 7.0.0-7.0.3

- Ability for a user to login via username and password
Test Case: 1.1.1

- Ability for a user to change password
    Test Case: 1.1.2

- Ability for user to interact with scheduling request UI
Test Case: 2.1.1, 2.1.2, 2.1.3

- Accessing pages and menu navigation
Test Case: 5.1.1 - 6.1.2

- Django Server and Full-Stack Integration
Test case: 7.0.0 - 7.0.3