

Project 2

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Testing Plan:

Project to test:

- Aaron's Project
 - Implemented Admin controls
 - More than 3 Databases to test

Testing priorities:

1. CRUD operations - each model has basic CRUD functionality for:
 - a. Warehouses
 - b. Inventory
 - c. Administrator
2. Security
3. Usability/Readability

Monitoring & Control:

1. Control -Trello
 - a. Managing Tasks
 - b. Managing Schedule
2. Recording & Reporting (Daily)
 - a. List of Acceptance Criteria covered
 - b. Test Reports
 - i. List of All Tests Completed /Uncompleted
 - ii. Time taken for each
 - iii. Pass/fail
 - c. Stand Up / Meeting / Sprint Logs and Notes
3. Stand Up Meeting (Daily) (15 min : End of Each Day unless "Dropped")
 - a. Quick Update of what's been completed
 - b. Quick Update of any snags (if not talked about already)
 - c. Do we need to update schedule at all

Timeline

W	Name	Date	Day	Tasks
1	Meeting 1	8.13.24	Tues	Create Testing Plan (Schedule, Priorities, PM) Create Testing Analysis (User Stories) Create Testing Design (Given/Then/When) Scenarios
	Sprint 1	8.14.24	Wed	Create Presentation for Standup 1
	Standup 1	8.15.24	Thur	Presentation of Testing Plan
	Meeting 2	8.16.24	Fri	Selenium Testing: <ul style="list-style-type: none"> • Start Front End Testing implementation • Start System Testing implementation
		8.19.24	Mon	Getting Application on AWS Pivot to working on frontend <ul style="list-style-type: none"> • Lay out test design for pages and actual tests.
2		8.20.24	Tues	
	Sprint 2	8.21.24	Wed	Frontend test implementations <ul style="list-style-type: none"> • Unit • Component All* Testing Implementation Complete <ul style="list-style-type: none"> • All tests are written • System testing complete. Create Presentation for Stand Up 2
	Stand Up 2	8.22.24	Thur	Presentation of Sprint 2 test implementations
	Meeting 3	8.23.24	Fri	jUnit/TestNG: <ul style="list-style-type: none"> • Start backend test implementation (Unit/Component Tests)
3		8.27.24	Tues	
	Sprint 3	8.28.24	Wed	Backend test implementations complete <ul style="list-style-type: none"> • Unit • Component Create Presentation for Stand Up 3
	Standup 3	8.29.24	Th	Presentation of Sprint 3 test implementations.

	Meeting 4	9.30.24	Fri	Start Creating Finished Test Summary Report
4	Standup 4	9.3.24	Tu	Presentation of test summary and leftover test implementations.
	Sprint 4	9.4.24	Wed	Presentation materials prepared. <ul style="list-style-type: none"> • Test summary • Lessons learned • Slides (?) Create Presentation for Stand Up 4
	Presentation complete	9.5.2024	Th	Presentation prepared. <ul style="list-style-type: none"> • Allotted parts of the presentation. • Practiced presentation.
	Project 2 Complete	9.6.2024	Fri	Presentation Due

Test Analysis (BDD)

User Stories

User stories have been isolated to another page.

Link:

<https://docs.google.com/document/d/1v1kXeHPngx0tmkIBGf1igs3IBPK1kbiQmrDSELRsSzE/edit?usp=sharing>

Testing bases:

- Frontend: (Functional and Non-Functional)
 - Navbar
 - Pages
 - Landing
 - Signup
 - Login
 - Home
 - Account
 - Warehouse
 - Item
 - **Non-functional Testing** -
 - Usability Testing - when user does something, given outcome happens
 - Navigation
 - Add
 - Edit
 - Delete
 - Readability
 - User can understand the messages shown
 - knows what to do in the application (ease of navigation)
 - **Functional Testing** -
 - Correct messages are shown when data exists
 - Form data submits correctly
 - Tables show correct data
- Backend:
 - How does information work with databases?
 - Layers
 - Aspects
 - Security Filter
 - Global Exception Handler
 - Controllers
 - Administrator
 - Warehouse

- Items
- Services
 - Administrator
 - Warehouse
 - Items
 - Services
- Repositories
 - Administrator
 - Warehouse
 - Items
 - Item Locations
- Models
 - Administrators
 - Warehouses
 - Items
 - Item Locations
- **Functional Testing**
 - Unit Testing - Methods
 - Component Testing - Classes
 - System Testing - API
 - Administrator
 - Warehouse
 - Items

Possible Issues

1. Clicking on manage on a warehouse doesn't allow edit of warehouses
 - a. instead takes the user to the warehouse's items page
 - b. Name and location updates aren't supported in front-end
2. Testing for input validation with invalid test will is not handle
 - a. Not Null Values are implemented in back-end
 - b. Not handled in front end