

Sprint 2

-Agile Development Phase-

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Introduction

This document aims to provide insight into the technical aspects of the project for the **Agile Development Phase.**

The Document presents the changes and plan for ***Sprint 2***(Week 10-12) and represents an extension of the waterfall phase documents. As a difference from the previous documents, now the entire documentation of a sprint will be presented as a single document

# Sprint 2 URS

As previously mentioned during the end-of-sprint Tutor Meeting, these weeks will revolve around reaching Quality-of-Life goals inside of the desktop application, as well bringing a first functional version of the requested website.

User requirements

As previously used, the classification system of the future of development is based on the **MoSCoW** system, in which each letter stands for the following:

**M – Must have:** will be implemented mandatorily  
**S – Should have:** will be implemented but possibly not during the first phase.  
**C – Could have:** potential ideas that are not essential but might be implemented at some point  
**W – Won’t have:** features that will not be implemented

Non-functional requirements

1. NFR-07(S): Password hashing in order to boost overall security of application

functional requirements

1. FR-26(M): Website: Employees can log in and out
2. FR-27(M): Website: Employees can navigate web pages after login
3. FR-28(S): Website: Employees can check personal schedule
4. FR-29(S): Website: Employees can check inventory stock
5. FR-30(C): Website: Employees can search for specific items and view stock
6. FR-31(C): Desktop: On “Sell page” a barcode scanner can be used to add items to basket

Work division

The work division for sprint 2 is as follows:

1. Implementation of password hashing – **Nikolay**
2. Implementation of Website – **Yordan**
3. Addition of barcode scanner functionality – **Kiril**
4. Documentation handling - **Tudor**

Use Cases

UC-25

Use Case: Logging in to website

Actor: Employee

Pre-Condition: On the ***MediaBazaar’s Website***

Main Success Scenario

1. Employee adds credentials
2. Employee clicks “Login” button
3. Employee is redirected to “My shifts” page

Extension:

2a. Employee credentials are incorrect

1. Website informs Employee
2. Return to MSS. step 1

UC-26

Use Case: Employee views personal shifts

Actor: Employee

Pre-Condition: On the ***MediaBazaar’s Website***

Logged in

Main Success Scenario

1. Employee clicks “My shifts” button
2. Employee is redirected to “My shifts” page
3. Employee can scroll and view daily shifts

UC-27

Use Case: Employee searches for stock/price of an item online

Actor: Employee

Pre-Condition: On the ***MediaBazaar’s Website,*** Logged in

Main Success Scenario

1. Employee clicks “Inventory” button
2. Employee is redirected to “Inventory” page
3. Employee enters item name in the search bar and clicks “Search” button
4. Only items with name matching to searched one are displayed

Extension:

3a: No matching names were found

1. “No items found” message is displayed
2. End of use case

# Sprint 2 Test Plan

Introduction

This part of the document aims to further deepen the developers’ understanding of their product through the help of testers with no prior knowledge of the application. This allows the creators as much as the client to understand the overall accessibility of the created application before deployment.

Test cases are of great importance in showing whether the application provides an approachable GUI as well as in the discovery of potential bugs before the release of the app.

Test cases per use case

## UC-25: Log in the website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-28 | Log in with correct credentials | On the “Log in” page | Username: wdallimore1p  Password: 123 | App switches over to the main page. |
| TC-29 | Log in with incorrect credentials | On the “Log in” page | Username: asdf  Password: asdf  ^values not present in the database (any random values should suffice) | “Wrong username or password” message is displayed. |

## UC-26: Employee views personal shifts on the website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-30 | View Personal Shifts | Logged in | Username: wdallimore1p  Password: 123 | User is taken to “My shifts page”. His shifts are displayed. |

## UC-27: Employee searches for stock/price of an item online

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-30 | Search for an item | Logged in | Username: wdallimore1p  Password: 123 | After the preferred words are inserted and searched for, the items which contain said characters will be displayed |
| TC-31 | Search for an item that doesn’t exist | Logged in | Username: wdallimore1p  Password: 123 | After the words are inserted and searched for, no item is displayed |