

TEST PLAN



Group Name: Artichoke

Project Plan: Waterfall

Members:

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1.Introduction

The Test Plan has been created to communicate the test approach to team members. It includes the objectives, scope, and approach. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

Objectives

This management application is used to manage the employee and stock of a store. This tool is a new product written with C# coding language using a 'mysql' database. The test team is responsible for testing the product and ensuring it meets their needs. The test team is both the customer and the tester in this project.

Phase 1 of the project will be the management application with functionality to manage the employees and keep statistics of stocks.

Team Members

Resource Name	Role
Dave La Gordt Dillie: 434661	DataBase Specialist
Mary Joseph: 3814505	UX Designer, c# specialist
Sebastian Bokkestijn:437602	BackEnd Developer
Boaz GoldSteen	Database designer

2.Scope

2.1 User Specific Requirements:

FR-01: Users are able to login to the desktop application.

- Only employees of the company are able to login.
- The password is covered in black dots for privacy.

FR-02: Users can see their schedule .

- The user can see their shifts on a calendar.

FR-03: Employees can see their attendance.

- Managers and administrators can also see employee's attendance.

FR-04: Managers can see stock statistics.

- Managers can see how much of each item is in stock.
- Managers can see active orders for new items .

FR-05: Managers can send requests for restocking to specific departments.

- Managers can acknowledge the request notifying the manager that it is being worked on.

- Managers can see all active requests and see whether they are being worked on.
- Managers can put a list of entities in the request that need to be restocked.

FR-06: Administrators can add an employee to the system.

- Administrators can add the name, department, hourly wage and address.
- Employees will be sent an email with their login details automatically.
- Employees and administrators can change employee's personal information.

FR-07: Administrators can see employee statistics.

- Attendance, a list of employees and the amount of employees can be seen.

FR-08: Administrators can assign shifts to employees.

- Shifts can be assigned for morning, afternoon and evening.
- Employees can see the assigned shifts (FR-02).

3. Test Approach

3.1 Use Cases:

UC-01: Login into the application, FR-01
Actor: User
Precondition: the user has received account details in their mail

Main Success Scenario:

1. The actor goes to login to the system
2. The system shows the user a login form
3. The actor fills in their login details
4. The system validates the credentials and logs the actor in

Exceptions:

3a. The actor has typed in the wrong password

1. The system notifies the user to re-type their password and goes back to MSS step 2

3b. The actor has not filled in a password.

1. The system notifies the actor that a password is required and goes back to MSS step 2.

3c. The actor requests to reset their password.

1. The system requests an email for the link to reset the password.
2. The actor fills in an email.
3. The system sends an email with a link to reset the actors password.
4. The actor opens the link.

5. The system redirects the actor to the reset password page.
6. The actor fills in their new password twice.
7. The system changes the actor's password.

Name: UC-02: Timetable: FR-02
Actors: User
Post condition: The user can see their timetable

Main Success Scenario:

1. The actor selects the timetable page
2. The system redirects the actor to the timetable page

Exceptions:

1a. The actor is not logged in

1. The system notifies the actor that they cannot view their timetable because they are not logged in and redirects them to the login screen

Name: UC-03: Attendance check: FR-03
Actors: Employee
Precondition : The employee is logged in

Main Success Scenario

1. The actor selects the attendance page
2. The system redirects the actor to the attendance page

Name: UC-04: Stock statistics: FR-04
Actors: User
Precondition : The user is logged in

Main Success Scenario

1. The actor goes to the stock page
2. The system shows the stock page
3. The actor selects an item to see more in depth information about
4. The system shows the statistics for that item on a separate modal

Exceptions:

1a. The actor does not have the right permissions to access the stock page

1. The system notifies the actor that they are missing permission to view the stock and brings them back to the previous page.

Name: UC-05: Restock requests: FR-05
Actors: User
Precondition : The user is logged in

Main Success Scenario

1. The actor goes to stock page
2. The system shows the stock page
3. The actor goes to make a restock request
4. The system requests a department name and list of entities
5. The actor fills in the required information
6. The system gives a preview of the request
7. The actor confirms
8. The system confirms that the request has been sent

Exceptions:

5a. The chosen department has already received a request for that list of entities

1. The system notifies the actor of the duplicate and asks for confirmation to send the request anyway
2. The actor confirms to send anyway

Name: UC-06: Adding new employees: FR-06
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor goes to add a new employee
4. The system requests the name, email, department and hourly wage.
5. The actor inputs all the request information and confirms.
6. The system sends an email to the employee with their login credentials.

Exceptions:

5a. The actor hasn't filled in all the required information

1. The system notifies the actor that all the information must be filled in before continuing and goes back to MSS step 4

Name: UC-07: Checking employee statistics: FR-07
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor requests to see employees
4. The system shows a list of employees with statistics on the side

Name: UC-08: Assigned shifts: FR-08
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor requests to see the employees
4. The system shows a list of employees
5. The actor chooses an employee and assigns a shift to the employee and confirms
6. The system add the shift to the employee's schedule and the system goes back to the list of employees

Exceptions:

- 5a. The employee is already assigned to a shift at the given time
 1. The system notifies the actor that an employee is already assigned to the shift

Test Cases:

ID	UC	Name	Preconditions	Test Data	Expected Result
TC-01	UC-01	Logging into the system	The user has an account	Username: manager Password: manager	The system confirms the login and redirects the user to the manager portal
TC-02	UC-01	Failed login	The user has an account	Username: manager Password: gifianef	The system notifies the user that either a wrong password or username has been entered and reloads the form
TC-03	UC-02	Viewing timetable	The user is logged in	/	The system brings the user to their timetable
TC-04	UC-03	Attendance check	The user is logged in	/	The system brings the user to their attendance form
TC-05	UC-04	Checking Stock	The user is logged in and has manager permissions	Item ID: 103 Item Name :Asus Mouse	The system shows all the information about the item with ID 103 and name Asus Mouse
TC-06	UC-05	Restock request	The user is logged in and on the stock form	Entities Restock request.: Item ID 103 , Quantity 200	The system sends a restock request with the Item ID of 103 and Quantity of 200
TC-07	UC-06	Adding new employees	The user is logged in and is an administrator	First name: john Last name: greg department name: marketing Age: 43 Gender: Male HireDate: 2020/9/11 Address: Eindhoven	The system adds the employee to the system and tells the user it was a success.
TC-08	UC-07	Checking employee statistics	The user is logged in and is an administrator	/	The system shows a list of all the employees
TC-09	UC-08	Assign shifts	The user is logged in and is a manager	First Name: John Last Name: Greg Shift Time: Morning	The system adds the shift with the given details

				Shift Date 9/11/2020	
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4. Test Environment

- Visual Studio 2019: you need language 8.0 to run the code, which is only available in this software and not the previous version of it.
- Cisco: We are using the connection to a database provided by the school. In order to connect to the server, you must use Cico to change the VPN and gain access.
- Database info Access:
 - Server = studmysql01.fhict.local
 - Database = dbi434661
 - Uid = dbi434661
 - Pwd = daivbot
- Some login accesses per Role (Username, Password):
 - Admin:
 - Sebastian1, KCLMulwN
 - Employee
 - Lola1, wwqENbVK
 - Martin1, tNtOIZZQ
 - Manager
 - davewww, dave