Software Engineering Semester 2

MEDIA BAZAAR

Test Plan

September 2020

S-CB-S2-CMK Group 3

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Introduction

This document formally describes the test plan for the system (Media Bazaar). This is a systematic approach to testing the said system. Currently, our plan contains a detailed understanding of how our app will respond to different situations it encounters and all information regarding the testing phase.

Test Cases

The test cases will give an example/procedure of how the system (Media Bazaar) will be tested using the test data.

Test Case User Login

ID	UC	Name	Pre-condition	Test data	Expected result
TC-01		User Logs in	User is on the log in page of the app	Username: Luc.Moonen **Password: LucM2002**	User is logged into the form associated with inputted username

ID	UC	Name	Pre-condition	Test data	Expected result
TC-01		User credentials don't exist	User is on the log in page of the app	Username: Timmy **Password: Timmy20**	System asks the user to check his credentials

Test Case View Employees

ID	UC	Name	Pre-condition	Test data	Expected result
TC-02	UC-01	View various statistics about personnel.	Is logged into his account and navigated to statistics.	None	The manager can view various statistics about personnel. Also, specific or general.

Test Case View Stock

ID	UC	Name	Pre-condition	Test data	Expected result
TC-03	UC-02	View various statistics about stock.	Is logged into his account and navigated to statistics	None	The manager can view various statistics about the stock. Also, specific or general.

Test case increase number of items in stock

ID	UC	Name		Pre-condition		Test data	Expected result
TC-04		UC-03	Increase the amount of a product in current stock as a stock manager.	Is in the stock page of the application and navigated to a certain product.	Item name: Iphone X Item amount increase: 5	The stock manager added a certain amount of a products stock.	
TC-05	UC-03	Increase the amount of a product with invalid value as a stock manager.		Is in the stock page of the application and navigated to a certain product.		Item name: Iphone X Item amount increase: 0.76	The system will give a warning that there is an invalid amount and the amount isn't increased.

Test Case Decrease number of items in stock

ID	UC	Name	Pre-condition	Test data	Expected result
TC-06	UC-04	Decrease a product amount from the current stock as a stock manager.	Is in the stock side of the application and navigated to a certain product.	Item name: Samsung S9 Item amount decrease: 3	The stock manager removed a certain amount of a products stock.
TC-07	UC-04	Decrease the amount of a product with invalid value as a stock manager.	Is in the stock page of the application and navigated to a certain product.	Item name: Samsung S9 Item amount decrease: 2.50	The system will give a warning that there is an invalid amount and the amount isn't decreased.

ID	UC	Name	Pre-condition	Test data	Expected result
TC-08	UC-05	Decrease a product amount from the current stock as employee	Is in the stock side of the application and navigated to a certain product.	Item name:Asus Zenbook Item amount decrease: 2	The employee removed a certain amount of a products stock.
TC-9	UC-05	Decrease the amount of a product with invalid value as employee	Is in the stock side of the application and navigated to a certain product.	Item name: Asus Zenbook Item amount decrease: -4.3	The system will give a warning that there is an invalid amount and the amount isn't decreased.

Test Case Add item/product to stock

ID	UC	Name	Pre-condition	Test data	Expected result
TC-10	**UC-06**	Add a product to the stock as stock manager	Currently in the stock window.	Item name: Iphone 11 Item price: 1400 Description: 128 GB Quantity: 10 Category: 2	The stock manager added a certain product to the stores inventory.
TC-11	**UC-06**	Add a product to the stock without valid quantity as stock manager	Currently in the stock window.	Item name: Iphone 11 Item price: 1400 Description: 128 GB Quantity: -12 Category: 2	The system will give a warning that there is an invalid quantity and the product isn't added.

Test case remove items/products from stock

ID	UC	Name	Pre-condition	Test data	Expected result
TC-12	**UC-07**	Remove a product from the store inventory as stock manager	Currently in the stock window.	Product name: Iphone X	The stock manager removed a certain product from the stores inventory.
TC-13	**UC-07**	Remove a product with product name which is not in the inventory as stock manager	Currently in the stock window.	Product name: Bazooka	The system will give a warning and informs user to input product name which is already in the inventory.

Test case add employee

ID	UC	Name	Pre-condition	Test data	Expected result
TC-14	UC-08	Add an employee as employee manager	Is in the employee side of the application.	User name: Jim.Walters Email: jimwalters@gmail.com Password: Jim1524 First name: Jim Last name: Walters PhoneNo: +31686269600 Nationality: Netherlands D.O.B: 05-10-2000 City: Eindhoven Zip code: 5641BZ Address: Pagelaan 12 Salary:15000 Department Name: EmployeeManagement FormAccess: EmployeeForm Role Name: EmployeeManager	The employee manager added certain employee to the stores system.
TC-15	UC-08	Add a new employee with password which has already been taken as employee manager/Admin.	Is in the employee side of the application.	User name: Mohammed Email: jimwalters@gmail.com Password: Jim1524	The system informs the user the current password has been taken

				First name: Jim	
				Last name: Walters	
				PhoneNo: +31686269600	
				Nationality: Netherlands	
				D.O.B: 05-10-2000	
				City: Eindhoven	
				Zip code: 5641BZ	
				Address: Pagelaan 12	
				Salary:15000	
				Department Name: Sales	
				FormAccess:	
				ShopPersonnel	
				Role Name: ShopPersonnel	
TC-16	UC-08	Update record of employees.	Is in the employee side of the application and has clicked on the particular employee record to update.	Password: Zwungbox12 Last name: Barnes Salary: 23000	The system will give a warning and informs user that the username already exists.
TC-17	UC-08	Update record of employees with already existing password	Is in the employee side of the application and has clicked on the particular record to update.	Password: LucM2002	The system will give a warning and informs user that the password already exists.

Test case view Role & Department stats

ID	UC	Name	Pre-condition	Test data	Expected result
TC-18	UC-09	Viewing statistics of roles in the company	The admin is in the roles side of the application and navigated to view employee and roles	None	The admin can view various statistics about employees and their roles.
TC-19	UC-09	Viewing statistics of departments in the company	The admin is in the department side of the application and navigated to view employee and departments	None	The admin can view various statistics about employees and their departments.

Test case Add new Department/Role

ID	UC	Name	Pre-condition	Test data	Expected result
TC-20	UC-010	Add a new department	The admin is in the department side of the app	Department Name: Human resources	The department name has been added into our system
TC-21		Add a new role	The admin is in the role side of the app	Role Name: Human Resources Manager	The role name has been added into our system

Test case add existing Department/Role

ID	UC	Name	Pre-condition	Test data	Expected result
TC-22	UC-010	Add an existing department	The admin is in the department side of the app	Department Name: Human resources	The system will give an error telling user department already exists
TC-23		Add an existing role	The admin is in the role side of the app	Role Name: Human Resources Manager	The system will give an error telling user role already exists

Test case remove Department/Role

ID	UC	Name	Pre-condition	Test data	Expected result
TC-24	UC-010	Removes a Department	The admin is in the department side of the app and has selected department to remove	None	The system asks the user for confirmation and user chooses yes , department is removed
TC-25		Removes a Role	The admin is in the role side of the app and has selected department to remove	None	The system asks the user for confirmation and user chooses yes , role is removed

Test case adding employee schedule and removing employee schedule

ID	UC	Name	Pre-condition	Test data	Expected result
TC-26	UC-010	Admin or Employee manager can Schedule employees to working shifts	The admin or employee manager is in the employee scheduling side of the app and has selected an employee to schedule	Employee: Tim.Bloem Work Date: 6-10-2020 Shift Time: Morning	The selected employee has been giving a schedule and schedule has been added to our system
TC-27	UC-010	Admin or Employees manager can remove schedule after creation	The admin or employee manager is in the employee scheduling side of the app and has selected an employee to remove schedule	None	System informs user schedule has been removed