**Software Engineering Semester 2**

**MEDIA BAZAAR**

**Test Plan**

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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 |

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| --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- |
| **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](mailto: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](mailto: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: Sales  FormAccess:  ShopPersonnel  Role Name: ShopPersonnel | The system informs the user the current password has been taken |
| **TC-16** | **UC-08** | Updaterecordof 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** | Updaterecordof 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

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| --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- |
| **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

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| **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

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| --- | --- | --- | --- | --- | --- |
| **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

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| --- | --- | --- | --- | --- | --- |
| **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 |