URS

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Synthesis Assignment

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Agreements with client

A software solution for creating, updating and selling products will be created for the company RobertHeijn B.V. It will include a desktop application where staff can put items for sale, create ads and discounts and a web application from where users can register and buy items, check their delivery status, see their previous history. With the application a database, Project plan, URS document, Test plan, Test report and a UML diagram will be delivered. There will be weekly meetings to discuss the progress of the project. Everything will be uploaded in GitLab using SmartGit. The documentations will be approved by the mentor Michiel Koehorst In week 13.

Non-functional requirements:

NRF-01: The code must be maintainable and extendable

NRF-02: Bug free system

NRF-03: Secure software

Functional requirements:

Item = grocery product

Desktop application – Staff

SFR- Staff functional requirement

SFR-01: Staff can log in

SFR-02: Staff can add an item by specifying its name, sub-category, category, price and unit

SFR-03: staff can edit an item

SFR-04: Staff can remove an item

SFR-05: Staff can change the status of an order

SFR-06: Staff can log out

SFR-07: Staff can add category

SFR-08: Staff can add a sub category to a category

Website – Customer

CFR- Customer functional requirements

CFR-01: Customer can log in

CFR-02: Customer can register

CFR-03: Customer can select items to make an order

CFR-04: Customer makes an order

CFR-05: Customer can view current order status

CFR-06: Customer checks order history

CFR-07: Customer can change account’s address

CRF-08: Customer can select an item to return

Website – visitor

VFR- Visitor functional requirement

VFR-01: Visitors can only view the items in the catalog without making orders or logging in.

Use Cases

UC-01 – SFR-01:

Use case: Staff can log in to the desktop application

Actor: Staff

Success Scenario:

1.Staff opens the application

2.The application shows the login form

3.Staff enters their login credentials – email and password

4.Application shows home page

Additions:

3a: Login credentials are not valid

1.The system shows a message that states that no user has such credentials

2. shows login form

3b: Email is not entered

1.The system shows a message stating that the email field is

empty.

2.shows login form

3c: Password is not entered

1.System shows that the password field is empty.

2. return login form

3d: Both Email and Password are not entered

1.Shows a message that the fields are empty

2.return to login form

3e: The login info is a customers’ account

1.return to login form.

UC-02 – SFR-02:

Use case: Staff adds a new grocery item

Actor: staff

Success Scenario:

1.Staff opens the Add groceries tab

2.Program shows the required fields to be inputted

3.Staff enters the information and confirms

4.The program shows a message that the item has been added successfully

Extensions:

3a: There are empty input fields

1.System shows a message telling which field is empty

2. return to 2

3b: The input is invalid

1.The program shows which input field is invalid

2. returns to 2

UC-03- SFR-04:

Use case: Staff removes a grocery item

Actor: Staff

Success scenario:

1.Staff opens remove grocery tab

2.Program shows an overview of the groceries

3.Staff select item to remove

4.The program shows a message that the item has been removed successfully

UC-04- SFR-03:

Use case: Staff edits a grocery item

Actor: Staff

Success Scenario:

1.Staff opens grocery tab

2.Program shows an overview of the groceries

3.Staff select item to modify

4.Staff presses the modify button

4.The program opens a page with all the product info

5.Staff selects which field to edit

6.Staff presses the button to save the changes

7.The program shows a message that the grocery item has been edited

Extensions:

6a: The input is in the wrong field

1.The program shows a message that the input is in wrong format

2.returns to 2

UC-05-SFR-05

Use case: Staff can change the status of an order

Actor: Staff

Success scenario:

1. Staff opens the order page

2.Application shows all orders

3. Staff selects an order

4. Staff shows a form from where the status can be changed

5.Staff changes status

UC-06-SFR-06

Use case: Staff can log out

Actor: Staff

Success scenario:

1.Staff closes the application

UC-16-SFR-07

Use case: Staff can add category

Actor: Staff

Success scenario:

1.Staff opens the Category page

2.Application shows all categories

3.Staff enters category name

4.Staff saves item

5.Program shows updated categories

UC-17-SFR-08

Use case: Staff can add subCategory

Actor: Staff

Success scenario:

1.Staff opens the Category page

2.Application shows all categories

3.Staff enters category name

4.Staff saves item

5.Program shows updated categories

UC-07- CFR-01:

Use case: Customer logs into the website

Actor: Customer

Success Scenario:

1.Customers goes to login page

2.Login page shows fields which need to be filled

3.The customer enters the information and confirms

4.Website redirects to home page(the page with the products)

Extensions:

3a: The input fields are empty

1.The website shows an error message stating that the fields need to be filled

2.returns to 2

3b: The input fields are for a staff account

1.returns to 2

UC-08-CFR-02:

Use case: Customer register in the webpage

Success scenarios:

1.Customer goes to register page

2.Register page shows fields which need to be filled

3.The customer enters the information and confirms

4.Website redirects to login paged

Extensions:

3a: The input fields are empty

1.The website shows an error message stating that the fields need to be filled

2.returns to 2

3b: The account already exists:

1. returns to 2

UC-09-CFR-03:

Use case: Customer selects an item from the product page

Precondition: Customer must be logged in

Success scenario:

1. Customer opens the product page
2. Customer selects an item
3. Webpage goes to the added items
4. Customer clicks the button continue shopping
5. Website redirects to the product page

UC-10-CFR-04:

Use case: Customer confirms an order

Precondition: Customer is logged, customer finished picking an order

Success scenarios:

1.Customer confirms order.

2.Website redirects to checkout(enter shipping information) page

3. Customer enters delivery address and confirms

4.Website redirects to the home page

UC-11-CFR-05:

Use case: Customer can view current order status

Precondition: Customer is logged

Success scenario:

1.Customer opens the order history page

2.Website shows order history

Extensions:

4a: There aren’t any orders

1.The website will show an empty page

UC-12-CFR-06:

Use case: Customer checks order history

Precondition: Customer is logged in

Success scenario:

1.Customer goes to Order page

2.Website shows an overview of previous orders

Extensions:

3.Customer clicks specific order

4.Website shows detailed information about that order

UC-13-CFR-07

Use case: Customer can change account’s address

Precondition: Customer is logged in

Success scenario:

1.Customer goes to Account page

2.Website shows saved addresses

3. Customer changes address

3a: The input fields are empty

1.The website shows an error message stating that the fields need to be filled

2.returns to 2

UC-14-CFR-08

Use case: Customer can select an item to return

Precondition: Customer is logged in

Success scenario:

1.Customer opens Order history page

2.Website shows customer’s orders

3.Customer selects an order

4.Website shows all the ordered items for that order

5.Customer selects an item

6.Webpage opens the return form

7.Customer returns the item by specifying the reason for it

Extensions:

7a: More than a day has passed since the grocery item has been ordered

1.Webpage doesn’t return the item

2. return to 7

7b: More than 14 days has passed since the goods has been bought

1.Webpage doesn’t return the item

2. return to 7

2a: There aren’t any orders

1.Webpage shows an empty page

UC-15-VFR-01:

Use case: Visitor views items in the product page

Precondition: Visitors must not be logged in

Success Scenario:

1.Visitor goes to the product page

2.Website shows products

3.Visitor clicks on item

4.Website only shows item information

Wireframes

Desktop Application: