

CCSW 315 Software Process Models

# My Wallet

CCSW 315 Lab Project Report

[NH]

Student Name	Id	Tasks
Jomanah Aodah Aljehani	2110337	Writing the report and drawing the diagram
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## Project Initiation

**Project Name: My Wallet**

**Project Members: Futoon Alnobi, Jomanah Aodah Aljehani, Lana Abdullah Alkhaldi, Somaya Rajab**

### **Project Description:**

The application (My Wallet) is a savings management application that facilitates users and helps them save their money for their personal needs. Contributes to managing the user's budget. so that it is easier for them to set plans and determine the percentage and duration required to reach the material goal they want.

### **Problem Definition:**

The main problem app trying to solve: Difficulties in saving money and only primitive methods are provided in other savings applications, which will get the user limited control.

### **Proposed Solution**

- Either accumulate or save money at home (such as in the safe),
- Or collect money and put it in a bank account
- In both cases, the methods are radically ineffective because they can withdraw money at any time without restrictions.

Unlike our application, it will keep the users' money due to the existence of conditions and restrictions until the amount is completed or the goal is reached.

### **Project Scope:**

The proposed name for our new system is My Wallet and the objective of our application is to help the employees and the people who want to save their money for their personal needs. The application will ask the user to sign in and record his personal information like his name, phone number, and account information. The application will perform for the users several services like creating new wallets, displaying current wallets, Qattah, and spending analytics. The thing that distinguishes our application is contributes to managing the user's budget so that it is easier for them. to set plans and determine the percentage and duration required to reach the material goal they want.

### **The Targeted Users:**

The targeted users or the people who will get benefits from the application are the employees and the people who want to save their money for their personal needs.

### **Prioritized Functional:**

- 1) The System shall link with the employee bank account.
- 2) The system shall allow the employee to determine the target of the wallet.
- 3) The system shall allow the employees to choose whether they want to be for a specific amount.
- 4) The system shall allow the employees to choose whether they want to be for a specific period of time.
- 5) The system shall allow more than one employee to share in one wallet (Qattah).
- 6) The system shall display to the employee the utility bills.
- 7) The system shall allow the employees to determine whether the withdrawal of the utility bills to be made automatically every month or not.
- 8) The system shall allow the employees to determine whether the withdrawal is to be made automatically every month or not.
- 9) The system shall display the spending analysis of the whole wallets to the employee.
- 10) The System shall display to the employee all the wallets that have been created.
- 11) The system shall allow the employee to sign in by Facebook and Google.
- 12) The system shall display verification message to the employee.

### **Story Backlog**

**Component Name:** Bank Account

**Story Name:** Bank Account

**Story Sequence No:** 001

**Story Short Description:** the employee should be able to link their bank account with the system.

**Story Long Description:** The employee shall be able to but their ID, account number, account name, EXP date of the card, CVV.

**Component Name:** Determine Target

**Story Name:** Determine Target

**Story Sequence No:** 002

**Story Short Description:** Employee should determine the target of the wallet.

**Story Long Description:** employee shall be able to provide the target of the wallet. The system shall store the information entered in the database.

**Component Name:** Chooses the to be for a specific amount.

**Story Name:** Chooses the to be for a specific amount.

**Story Sequence No:** 003

**Story Short Description** Employee shall be able to determine the amount of money to be withdrawn each month

**Story Long Description:** : the employee chooses whether they want to be for specific amount (the amount is collected until it reaches 10 thousand riyals).

**Component Name:** Chooses the to be for a specific period of time.

**Story Name:** Chooses the to be for a specific period of time.

**Story Sequence No:** 004

**Story Short Description:** Employee shall be able to determine in how many month the money should be collected.

**Story Long Description** the employee chooses whether they want to be for a specific period of time for example (the amount of money is collected for 3 months).

**Component Name:** Spending Analysis

**Story Name:** Spending Analysis

**Story Sequence No:** 005

**Story Short Description:** Employee shall be able to display the spending analysis of the whole wallets.

**Story Long Description:** Employee should see the statistics for each wallet that was created at least a month ago.

#### **Prioritize stories and define sprints:**

##### **Sprint #1:**

[Bank Account,Determine Target.]

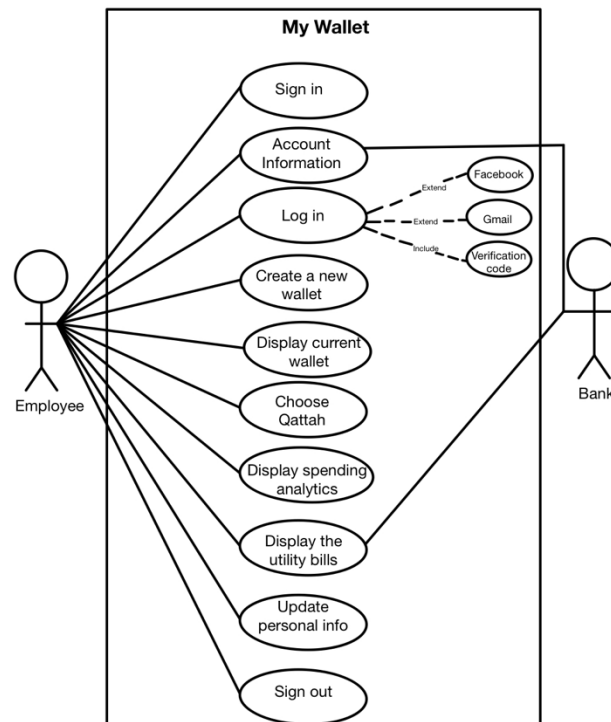
##### **Sprint #2:**

[Chooses the to be for a specific amount, Chooses the to be for a specific period of time.]

##### **Sprint #3:**

[Spending Analysis]

Use Case and Class Diagram:





**Project Name:** My Wallet

**Project Members:** Futoon Alnobi, Jomanah Aodah Aljehani, Lana Abdullah Alkhaldi, Somaya Rajab

**Sprint 1 Stand up Meeting - [15/5/2023] [AT LEAST TWO MEETINGS PER SPRINT]**

**Sprint Duration:** one week

**Scrum Master:** Jomanah Aljehani

**Client:** Rasha Alamri

**Pair Programmers:** Futoon Alnobi ,Somaya Rajab,Lana Alkhaldi

**Stories:**

Component Name	Story Sequence Number	Use Cases (e.g., functionalities)
Bank account	001	Account information
Determine target	002	Create new wallet

**Follow-up meeting questions:**

1. What has been completed since the last meeting?  
We have implemented the first two functionality by using Java language.
2. What are you going to be working on next?  
We will implement the next two functionality.
3. Do you have any issues/impediments?  
Difficulty in implementing functionalities in a short time.

**Scrum's Master comments based on the above questions:**

We must divide tasks equally among team members .

### Sprint Test Cases (s)

**Project Name:** [My wallet]

**Project Members:** [Type project members here]

#### Sprint #/ Test Cases - [DATE]

**Test Case Name:** [e.g., Sprint 1 – Bank account]

**Test Case Id:** [e.g., my wallet– Bank account]

**Below is just an example of test cases for registration:**

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	User goes account information page and enter his information	User should be able to enter account information page.	Pass
TC002	User leaves all fields blank on account information screen and taps Next button.	User should be displayed with a message: "Please enter National id."	Pass
TC003	User enters National id and leaves all other fields blank on Account information screen and taps Next button.	User should be displayed with a message: "Please enter Card holder name."	Pass
TC004	User enters National id and Card holder name and leaves all other fields blank and taps Next button.	User should be displayed with a message: "Please enter Card number."	Pass
TC005	User enters National id, Card holder name, Card number and leaves All field blank and taps Next button.	User should be displayed with a message "Please enter EXP Date."	Pass
TC006	User enters National id, Card holder name, Card number and EXP Date and taps Next button.	User should be displayed with a message "Please enter CVV"	Pass
TC007	User enters National id, Card holder name, Card number and EXP Date, CVV and taps Next button.	Password should be displayed with asterisks **** in password field. User should be displayed with a	Pass



		message: "Password does not match."	
TC008	User enters information in all required fields and taps Next button.	User should be displayed with a message "Information Added successfully." And user should be taken to the target scree.	Pass

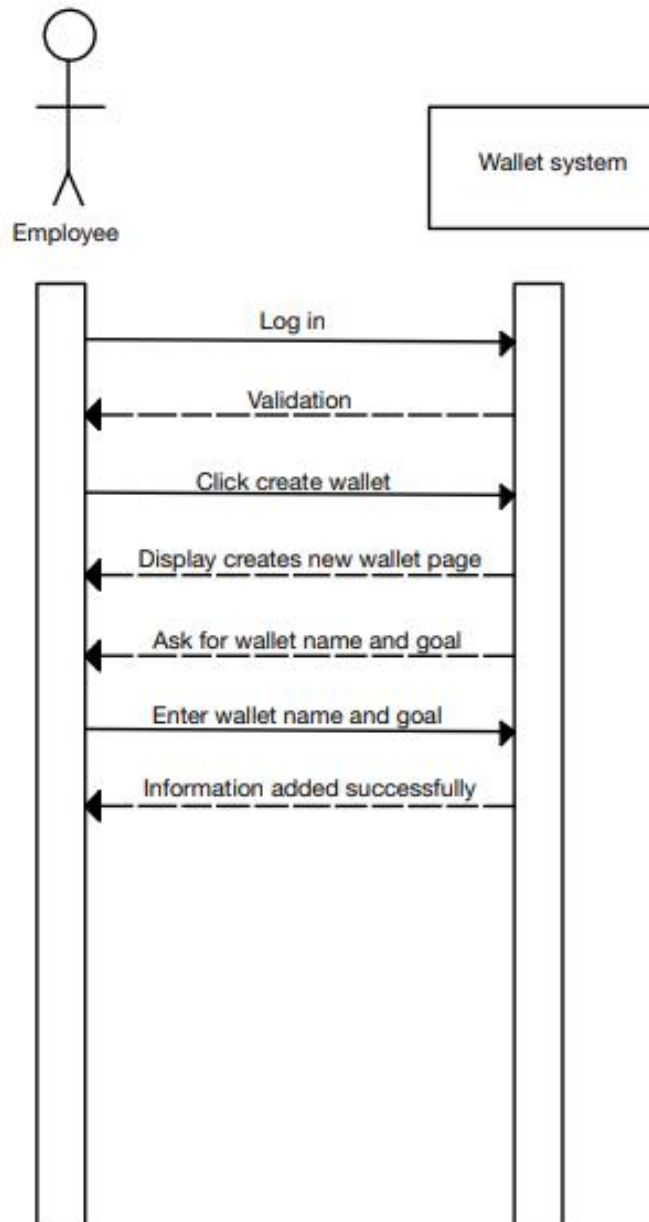
**Test Case Name:** [e.g., Sprint 1 – determined target]

**Test Case Id:** [e.g., my wallet – determined target]

**Below is just an example of test cases for Login:**

Test Case No.	Test Case Description	Expected Results	Outcome (Pass/Fail/Other (Comments))
TC001	User leaves all fields blank on Create new wallet page and tap on save button.	User should be displayed with a message "Please enter Wallet name and wallet goal".	Pass
TC002	User enters Wallet name and leave wallet goal and tap on save button.	User should be displayed with a message "Please enter Wallet goal.	Pass
TC003	User enters Wallet goal.	User should be displayed with a message: "information Added successfully	Pass





**Project Name:** My Wallet

**Project Members:** Futoon Alnobi, Jomanah Aodah Aljehani, Lana Abdullah Alkhaldi, Somaya Rajab

**Sprint 2 Stand up Meeting - [21/5/2023] [AT LEAST TWO MEETINGS PER SPRINT]**

**Sprint Duration:** one week

**Scrum Master:** Jomanah Aljehani

**Client:** Rasha Alamri

**Pair Programmers:** Futoon Alnobi ,Somaya Rajab,Lana Alkhaldi

**Stories:**

Component Name	Story Sequence Number	Use Cases (e.g., functionalities)
Bank account	003	Choose to be for specific amount
Determine target	004	Choose to be for a specific period of time

**Follow-up meeting questions:**

1. What has been completed since the last meeting?  
We have implemented the first two functionality by using Java language.
2. What are you going to be working on next?  
We will implement the next two functionality.
3. Do you have any issues/impediments?  
Difficulty in implementing functionalities in a short time.

**Scrum's Master comments based on the above questions:**

We must divide tasks equally among team members .

### Sprint Test Cases (s)

**Project Name:** [My wallet]

**Project Members:** [Type project members here]

#### Sprint #2 Test Cases - [DATE]

**Test Case Name:** [e.g., Sprint 2 – Choose to be for specific amount]

**Test Case Id:** [e.g., my wallet– Choose to be for specific amount]

Below is just an example of test cases for registration:

Test Case No.	Test Case Description	Expected Results	Outcome (Pass / Fail / Other (Comments))
TC001	User goes create new wallet page and enter the information	User should be able to enter information page.	Pass
TC002	User leaves all fields blank on create new wallet page and taps Next button.	User should be displayed with a message: "Please enter wallet name."	Pass
TC003	User enters wallet name and leaves all other fields blank on create new wallet page and taps Next button.	User should be displayed with a message: "Please enter wallet goal."	Pass
TC004	User enters wallet name and wallet goal and leaves all other fields blank and taps Next button.	User should be displayed with a message: "Please choose one of the usage methodology."	Pass
TC005	User choose to be for a specific period of time and taps Next button.	User should be displayed with a message "Information Added successfully." And user should be taken to the target scree.	Pass
TC006	User should enter the period of time	User should be displayed with a message " please enter the money that will withdraw each month "	Pass
TC007	User enter the amount the of money	User should be displayed with a message: "information Added successfully	Pass

**Test Case Name:** [e.g., Sprint 2 – Choose to be for a specific period of time]

**Test Case Id:** [e.g., my wallet – Choose to be for a specific period of time]

Below is just an example of test cases for Login:

Test Case No.	Test Case Description	Expected Results	Outcome (Pass/Fail/Other (Comments))
TC001	User goes create new wallet page and enter the information	User should be able to enter information page.	Pass
TC002	User leaves all fields blank on create new wallet page and taps Next button.	User should be displayed with a message: "Please enter wallet name."	Pass
TC003	User enters wallet name and leaves all other fields blank on create new wallet page and taps Next button.	User should be displayed with a message: "Please enter wallet goal."	Pass
TC004	User enters wallet name and wallet goal and leaves all other fields blank and taps Next button.	User should be displayed with a message: "Please choose one of the usage methodology .".	Pass
TC005	User choose to be for a specific amount and taps Next button.	User should be displayed with a message "Information Added successfully." And user should be taken to the target scree.	Pass
TC006	User should enter the target amount of money	User should be displayed with a message " please determine the amount of money to be withdraw each month "	Pass

