



CS251

Intro. to Software Engineering

Personal Budgeting

Software Requirements Specifications

Version 1.0

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Software Requirements Specifications

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Team

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Document Purpose and Audience

Purpose

In this document, we focus and practice on the methods of specifying software requirements, how we collect the requirements, what the criteria for collecting the requirements are, and what the purpose of all of this is. This document will give us a lot of knowledge about the process of collecting the requirements, and we will apply this process to our project (Personal Budgeting). We will use the IEEE SRS document to do this.

Audience

- Stakeholders
- Software developers
- Software designers
- Anyone who wants to learn about the process of collecting requirements
- Professional users who are knowledgeable about the field

Introduction

Software Purpose

Our purpose is to spread the culture of personal budgeting as a software application in the Arab world, particularly in Egypt. In Egypt and the Arab world, most people don't know about personal budgeting software and resort to old methods for calculating their personal budget, such as using pen and paper. These methods are outdated and inefficient.

Our goal is to improve this by providing software that helps track personal budgeting, making it easier to save money, set goals, and create a roadmap to achieve them.

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Software Scope

Personal Budgeting is developed to help people who have no knowledge of personal budgeting, have basic computer skills, and want to manage their personal budget.

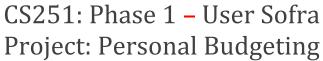
This software primarily targets Egypt and the Arab world. We aim to provide easy to use software with a friendly user interface. Additionally, we will integrate all Arabic digital wallets, including Egyptian wallets such as (Vodafone Cash and Orange Cash).

We will create a personalized plan for you based on your goals and struggle to provide an effective budgeting strategy. You will also be able to track your budget, view your expenses and income, and follow steps to achieve your financial goals (e.g., performing Umrah, buying a home).

Furthermore, we will include Arabic language support for users who find English difficult.

Definitions, acronyms, and abbreviations

Phrase	Definition	
Budget	A financial plan with the expected income and expenses over a specified period.	
Income	Money received from various sources (salary, side businesses, etc.).	
Expense Tracking	Recording and categorizing expenses to monitor financial habits.	
Financial Goals Specific savings or targets, such as buying a new house.		
Analytics Visualizations of financial data to help users make decisions.		
Bank Integration	A feature that links user accounts with financial institutions to automatically track transactions (Vodafone Cash, Etisalat Cash, Fawry, etc.).	
Reminders	: Notifications about due payments, progress toward goals, and alerts about overspending.	
Security	Protecting users' data and taking actions to prevent unauthorized access.	
Savings Money set aside for future use, emergencies, or planned expenses.		





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Debt Management	Strategies for handling borrowed money and repaying loans efficiently.
Expense Categories	Classification of expenses (e.g., rent, groceries, entertainment) to better manage finances.
Automatic Payments Automatic Payments Automatic periodic payments for subscriptions, bills, or loans.	
Budget Change Modifying financial plans based on changes in income or expenses.	
Spending Limit	A predefined maximum amount set for a specific category to control expenses.
FR (Functional Requirement)	A specific function or feature that the software must provide to meet user needs.
RE (Requirements)	The process of defining, documenting, and maintaining software requirements.

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Requirements

Functional Requirements

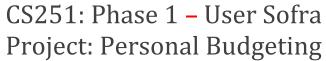
ID	Requirement	Description
FR-01	User login	•The user can log in to their account using a valid email or username and password . If the user enters incorrect credentials three times , the account will be temporarily locked for 1 minute .
		• Or sign up with valid credentials , if it is not valid he will receive a warning message.
		• The user can recover his account by receiving a verification code via email.
FR-02	User Opens App	• The user can set up facial recognition , fingerprint authentication , or a password to unlock the application and keep their information secure.
		• If the user exits the application without closing it, it will remain open for up to 15 minutes. After this period, they must authenticate using their fingerprint to regain access.
FR-03	Set Income	The user can add their income sources, specifying the amount and the date of receiving the money.
		The user can add new income, edit existing income, and delete an income source.
		The user can also mark an income as non recurring if it is a one time payment.
FR-04	Expense tracking	• The user can add items or budgets for which they spend money, such as household supplies, transportation, gasoline expenses, food, school expenses, vacation expenses, and trips.





Software Requirements Specifications

		 The user can mark certain expenses as recurring, so they are automatically deducted from the budget when income is received. The user can also manually add other expenses, edit existing ones, and manage expense records.
FR-05	Budget creation	• The user can set a budget limit, such as "I want to spend at most 10K this month."
		The user can edit the budget and choose to make it fixed for a specific period.
		• The system will provide recommendations, including suggested actions, flowcharts, and diagrams for managing expenses during the current and previous periods. The user can select a specific period to review.
		If the user exceeds the budget, they will receive a warning notification along with budget management recommendations, such as reducing vacation expenses to balance their spending.
		The user can set budget limits for different categories, such as food, transportation, and entertainment, to better control spending.
		• The app can send notifications to inform the user when they have spent a certain percentage of their budget, like "You have spent 70% of your budget for this month."
		• The system can suggest saving plans based on the user's spending habits, such as "You spent too much on entertainment this month. Try reducing this category to save more."
		The user can compare their current budget with previous months to track progress and improve financial management.





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FR-06	User goal	• The user can set a goal, such as going to Umrah, visiting a new country, buying a new car, or purchasing a new home.
		The user can choose how much to save each month for their goal, and the system will calculate how long it will take to achieve it.
		• Alternatively, the user can set a target date for their goal, and the system will create a saving plan showing how much to save each month and how much they can spend.
		• The user can add money to their goal or take out money if needed for urgent expenses, and the system will automatically update the plan and timeline.
		• The user can reallocate money from other budget categories (e.g., reducing transportation expenses to save more for their goal).
FR-07	Put Credit or wallet	The user can add their credit card or digital wallet to the app to track their budget, available money, and expenses.
	wanet	• The app will display the current balance and transactions from the connected credit card or wallet.
FR-08	Financial reports	• The system provides detailed analytics and reports on income, expense, and saving.
		• Users can view summaries, charts, and trends to better understand their financial habits.
		• The system can generate reports for specific time periods (daily, weekly, monthly, or year).





Software Requirements Specifications

Non Functional Requirements

Measure	Details	
Performance	• The sign-in and app opening process should take no more than 5 seconds.	
remormance	• Every page in the system should load within 10 seconds.	
	• Checking the available balance in the eWallet should take no more than 15 seconds , as it requires fetching data from an external service.	
	 Generating and loading financial reports or diagrams should take no more than 10 seconds. 	
	 Updates in income, expenses, and budgeting should be reflected in real-time or within 3 seconds. 	
	• The system should respond to user interactions (clicking buttons, navigating pages) within 1 second for smooth usability.	
Scalability	The system should support at least 1000 concurrent users without a drop in performance.	
	• It should be designed to handle future growth by allowing easy upgrades to support more users if needed.	
Usability	The system should have a friendly and easy-to-use interface to ensure a smooth user experience.	
	• The design should be simple, easy to understand, and accessible for users with basic technical skills.	
	• Icons, buttons, and navigation should be clear and well organized to help users complete tasks efficiently.	
Security	• The system should use strong encryption to protect user data and bank or wallet details.	
	• User passwords and sensitive information should be securely stored and not accessible to unauthorized users.	
	The app should support two factor authentication for additional security.	



Project: Personal Budgeting

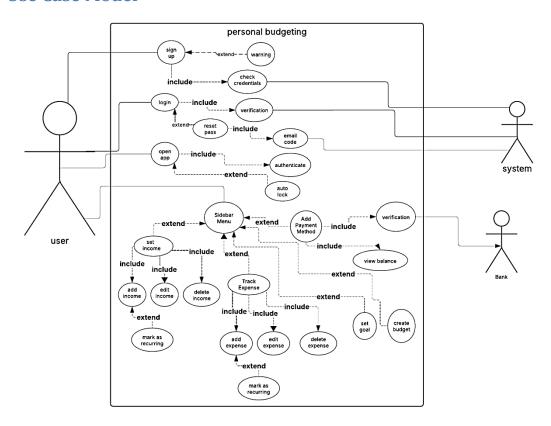
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Software Requirements Specifications

System Models

Use Case Model



System:

- •The system is the main manager of the application.
- •It verifies operations (such as payment verification, sending notifications, and providing financial recommendations).

User:

- •The user is the person who uses the app to manage their budget and finances.
- •They can add income sources, set a budget, track expenses, and receive financial alerts.

Bank:

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Software Requirements Specifications

- •The bank is the financial institution responsible for processing transactions related to credit cards and digital wallets.
- •It allows users to link their bank accounts to the app to monitor their balance and spending.

Enriched User Stories

• User Story #1 - Implement This

User Story ID	US #1
User Story Name	Sign Up
Actors	New User
	As a new user
Description	I like to be able to create an account using my email and password
	So that I can securely access my budgeting information
Per condition	- The user is on the sign-up page. - The user does not already have an account.
- The user account is successfully created The user is logged in and redirected to their dashboard.	
Given I'm a new user and I'm on the Sign-Up page, When I fill in the "Email", "Username", and "Password" i with valid information and click the Sign-Up button, Then the system creates my account, logs me in, and r me to my dashboard.	

Scenarios

Normal Scenario

Actor Action	System Response
1- User Enter email, username, and password	
2- User clicks Sign-Up	
	3- System validates the email, username,
	password, and phone number.
	4- System sends an OTP to the provided phone

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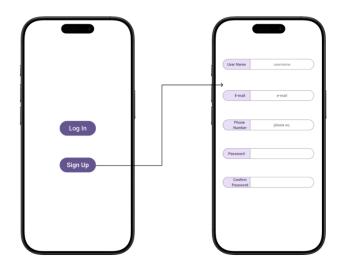
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Software Requirements Specifications

	number.
5- User enters the OTP received via SMS.	
	6- System verifies the OTP and creates a new
	user account.
	7- System logs the user in automatically.
	8- System redirects the user to their
	dashboard.

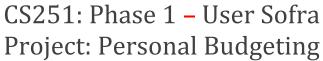
Exceptional Scenario

Actor Action	System Response
1- User Enters an invalid email	
2- User clicks Sign-Up	
	6- System verifies the user information 7-
	System finds input information invalid
	8- System displays "Please enter valid
	information." message



• Screen Design

Figure 1 – Sign-Up page





Software Requirements Specifications

Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
User Name	String(3-50 characters)	 Must be between 3 and 50 characters. Can contain letters, numbers, and special characters (e.g., underscores _ or hyphens -). Must be unique (no two users can have the same username). Cannot contain spaces. Must be validated against a list of reserved or inappropriate usernames.
Email	String(valid email format)	 - Must be a valid email address (e.g., contains "@" and a domain). - Must be unique (no two users can have the same email). - Must be verified via a confirmation email.
Phone Number	String(16)	 Must 16 digits. Must follow a valid phone number format (e.g., +20 for Egypt, +1 for the US). Must be unique (no two users can have the same phone number). Must be verified via an OTP (One-Time Password) sent via SMS. Can include optional formatting (e.g., spaces, hyphens, or parentheses).
Password	String(8-16 characters)	 Must be between 8 and 16 characters. Must contain at least one uppercase letter, one lowercase letter, one number, and one special character. Must be hashed and securely stored in the database.
Confirm Password	String(8-16 characters)	Must match the "Password" field exactly.Used to ensure the user did not make a typo when entering their password.





Software Requirements Specifications

• User Story #2 - Implement This

User Story ID	US #2
User Story Name	Login
Actors	User
	As a user
Description	I like to be able to log in using my credentials
	So that I can access my personalized dashboard
Per condition	-The user has already registered and created an accountThe user is on the login page.
Post condition	- The user is successfully logged in The user is redirected to their personalized dashboard.
	Given I'm a logged-out system user and I'm on the Sign-In page
Acceptance Criteria	When I fill in the "Username" and "Password" fields with my authentication credentials and I click the Sign-In button
	Then the system signs me in and redirects me to my personalized dashboard.

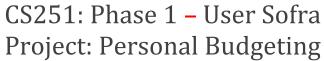
Scenarios

Normal Scenario

Actor Action	System Response
1- User Email and Password.	
2- Click Submit	
	3- System Verify user data
	4- System displays list of Mobile companies

Exceptional Scenario

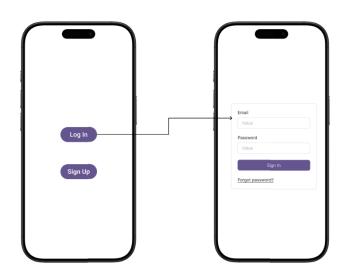
Actor Action	System Response
1- User Enter Card and Password.	
2- Click Submit	
	3- System detects that the card is invalid (e.g.,
	expired or incorrect details).
	4- System rejects the card and displays an





Software Requirements Specifications

error message: "Invalid card. Please check your card details and try again."



• Screen Design

Figure 2 – Login Page

• Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Email	String(valid email formate)	 Must be a valid email address (e.g., contains "@" and a domain). Must be unique (no two users can have





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Element Label	Type/Length	Data Validation / Business Rule
		the same email) Must be verified via a confirmation email.
Password	String(8-16 characters)	 Must be between 8 and 16 characters. Must contain at least one uppercase letter, one lowercase letter, one number, and one special character. Must match the user's stored password in the system.

• User Story #3 - Implement this

User Story ID	US #3
User Story Name	Tracking Income
Actors	User
Description	As a user I like to be able to track my income sources and amounts So that I can monitor my earnings and plan my budget accordingly
Per condition	The user is logged in.The user is on the "Income Tracking" page.
Post condition	- The income data is saved and displayed in the user's dashboard.
Acceptance Criteria	Given I'm a logged-in user and I'm on the Income Tracking page, When I enter my income source (e.g., salary, freelance) and amount, and click Save, Then the system saves the income data and displays it in my dashboard.

Scenarios

Normal Scenario

Actor Action	System Response
1- User enters income source (e.g., salary)	
and amount.	
2- User clicks Save.	
	3- System validates the income data.
	4- System saves the income data.





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5- System displays the income data in the user's dashboard.

Exceptional Scenario

No exceptional scenario for this user story.

• Screen Design

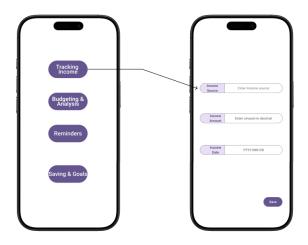


Figure 3 – Tracking Income Page

• Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Income Source	String(3-50 characters)	 - Must be between 3 and 50 characters. - Can contain letters, numbers, and spaces. - Must be a valid income source (e.g., salary, freelance, bonus).
Income Amount	Decimal	- Must be a positive number.





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Element Label	Type/Length	Data Validation / Business Rule
		- Must be in a valid currency format (e.g., 1000.00).
Income Date	Date(YY-MM-DD)	- Must be a valid date.- Cannot be a future date.

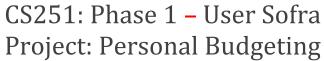
User Story #4 - Implement This

User Story ID	US #4
User Story Name	Budgeting & Analysis
Actors	User
Description	As a user I like to be able to create a budget and analyze my spending So that I can manage my finances effectively
Per condition	The user is logged in.The user has added income and expense data.
Post condition	The budget is created and displayed in the user's dashboard.Spending analysis is generated.
Acceptance Criteria	Given I'm a logged-in user and I'm on the Budgeting page, When I set a budget for a category (e.g., groceries) and click Save, Then the system saves the budget and displays it in my dashboard.

• Scenarios

Normal Scenario

Actor Action	System Response
1- User sets a budget for a category (e.g., groceries).2- User clicks Save.	
	3- System validates the budget data.4- System saves the budget.5- System displays the budget in the user's





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dashboard.

Exceptional Scenario

No exceptional scenario for this user story.

Screen Design

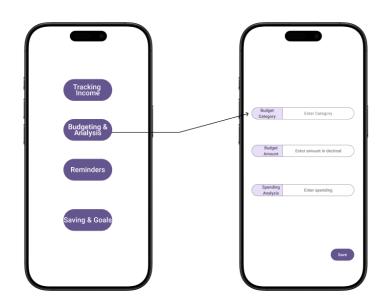


Figure 4 - Budgeting Page

Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Budget Category	String(3-50 characters)	 - Must be between 3 and 50 characters. - Can contain letters, numbers, and spaces. - Must be a valid category (e.g., groceries, rent, entertainment).
Budget Amount	Decimal	- Must be a positive number.- Must be in a valid currency format (e.g., 500.00).
Spending Analysis	String (Variable length)	- Must display a summary of





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Element Label	Type/Length	Data Validation / Business Rule
		spending by category (e.g., "You have spent \$200 on groceries this month.").

User Story #5 - Implement This

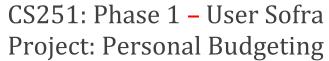
User Story ID	US #5
User Story Name	Reminders
Actors	User
Description	As a user I like to be able to set reminders for bill payments and financial tasks, So that I don't miss important deadlines.
Per condition	The user is logged in.The user is on the "Reminders" page.
Post condition	- The reminder is saved and the user receives a notification at the specified time.
Acceptance Criteria	Given I'm a logged-in user and I'm on the Reminders page, When I set a reminder for a bill payment (e.g., electricity bill) with a date and time, and click Save, Then the system saves the reminder and sends me a notification at the specified time.

• Scenarios

Normal Scenario

Actor Action	System Response
1- User sets a reminder for a bill payment	
(e.g., electricity bill).	
2- User clicks Save.	
	3- System validates the reminder data.
	4- System saves the reminder data.
	5- System sends a notification at the
	specified time.

Exceptional Scenario





Software Requirements Specifications

No exceptional scenario for this user story.

• Screen Design

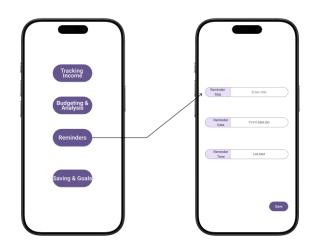


Figure 2 – Reminders Page

• Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Reminder Title	String(3-50 characters)	- Must be between 3 and 50 characters.- Can contain letters, numbers, and spaces.
Reminder Date	Date(YYYY-MM-DD)	- Must be a valid future date.
Reminder Time	Time (HH:MM)	- Must be a valid time.

User Story #6

User Story ID	US #6
User Story Name	Savings & Goals
Actors	User
Description	As a user I like to be able to set savings goals and track my progress,

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	So that I can achieve my financial targets.
Per condition	The user is logged in.The user is on the "Savings & Goals" page.
Post condition	- The savings goal is saved and progress is displayed in the user's dashboard.
Acceptance Criteria	Given 'm a logged-in user and I'm on the Savings & Goals page, When I set a savings goal (e.g., save \$1000 for a vacation) and click Save, Then the system saves the goal and displays my progress in the dashboard.

Scenarios

Normal Scenario

Actor Action	System Response
1- User sets a savings goal (e.g., save \$1000	
for a vacation).	
2- User clicks Save.	
	3- System validates the savings goal.
	4- System saves the savings goal.
	5- System displays the progress in the
	user's dashboard.

Exceptional Scenario

No exceptional scenario for this user story.

• Screen Design

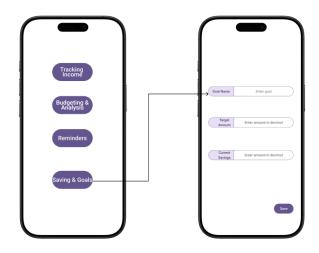


Figure 6 - Saving & Goals Page





Software Requirements Specifications

Data Dictionary:

Element Label	Type/Length	Data Validation / Business Rule
Goal Name	String(3-50 characters)	- Must be between 3 and 50 characters.- Can contain letters, numbers, and spaces.
Target Amount	Decimal	- Must be a positive number.- Must be in a valid currency format (e.g., 1000.00).
Current Savings	Decimal	 - Must be a positive number. - Must be in a valid currency format (e.g., 500.00).

• User Story #7 - Implmenet This

User Story ID	US #7
User Story Name	Expense Tracking
Actors	User
Description	As a user I would like to be able to track my expenses So that I don't overspend my income and see where my money is going.
Pre-conditions	The user is logged in.The user is on the "Track Expenses" page.
Post-conditions	 The expenses are recorded and stored in the system. the user can view the updated expenses in their transaction history.
Acceptance Criteria	Given I'm a logged-in user and I'm on the Expenses page, When I enter a valid expense amount with its category and date and click save, Then the system saves the expense and update the budget and display a confirmation message.

Scenarios





Software Requirements Specifications

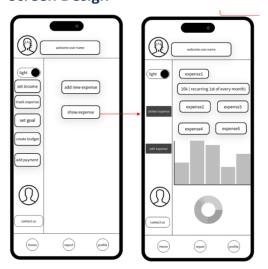
Normal Scenario

System Response
2- display the expenses .
4-display confirmation message that a new
expense has been added .
5- display the expenses with its category,
payment method and date.

Exceptional Scenario

No exceptional scenario for this user story

Screen Design



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Figure 7 - Expenses Page

User Story #8

User Story ID	US #8	
User Story Name	Debt Repayment	
Actors	User	
Description	As a user I want a plan to track my debts (e.g.,loans) and create a repayment plan to be debt free.	
Pre-conditions	 The user is logged in. The user must have at least one active debt or allow the user to add new debts. 	
Post-conditions	 The debt repayment plan is recorded and stored in the system. the system updates the total user's debt. 	
Acceptance Criteria	Given I'm a logged-in user and I'm on the debt repayment page, When I enter a valid debt info and click save, Then the system saves the debt and display it on my debt tracker.	

scenarios

Normal Scenario

Actor Action	System Response
1- User navigates to debt repayment section.2- User adds debt and click Save.	
2- Oser adds debt and thick save.	
	4- System saves the debt.
	5- System displays the debt in the user's
	dashboard.





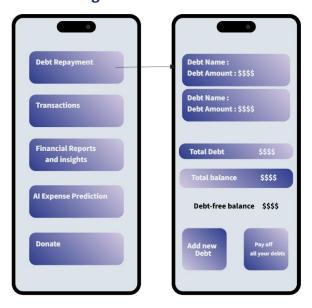
Software Requirements Specifications

6-system track payments and adjust the remaining balance accordingly to free the user from their debt.

Exceptional Scenario

Actor Action	System Response
1- User navigates to debt repayment section.2- User enters debt value with a negative number or 0.	
	3 – display a message to the user that "debt amount must be a non negative/zero number".

Screen Design



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Figure 8 – Debt Repayment Page

Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
Debt Name	String	required.-user defined name for the debt.
Total debt amount	Decimal	- Must be greater than zero.
Remaining balance	decimal	- Must be greater than zero.

• User Story #9

User Story ID	US #9
User Story Name	Transactions
Actors	User
Description	As a user I want to set up recurring income and expense transactions so that I don't have to enter them manually
Pre-conditions	 The user is logged in. The user must have at least one income or expense category already set up.
Post-conditions	 The system successfully schedules the recurring transaction. the Transaction is automatically recorded on the due data.





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Acceptance Criteria

Given I'm a logged-in user and I'm on the debt repayment page, **When** I set up a recurring transaction with valid details, **Then** the system should schedule the transaction and execute it automatically on the specified dates .

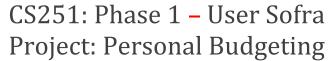
scenarios

Normal Scenario

Actor Action	System Response
1- User enters the "Transactions" section.2- User adds transaction details then confirms and saves.	
	 4- System saves the transaction. 5- System schedule the transaction and add it to the budget plan . 6- on the due date the system informs the user with a notification that the transaction has been recorded.

Exceptional Scenario

Actor Action	System Response
1- User enters Transactions system .2- user tries to cancel recurring transaction	
	3 – system allows cancellation but asks for confirmation and entering the password.





Software Requirements Specifications

Screen Design

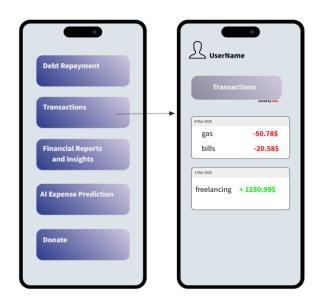


Figure 9- Transactions Page

Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
Transaction ID	Integer	 unique identifier for each recurring transaction .
Category	String(3-50 characters)	- Must be predefined or user-created





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Element Label	Type/Length	Data Validation / Business Rule
		category.
Date Range	Date	- Must be in YYYY/MM/DD format. Cannot be in the future -starts with todays date or any future date (not necessarily to add end date).
Transaction Type	Enum	- Must be (income- Expense)
amount	Decimal	- Must be greater then zero.

User Story #10

User Story ID	US #10
User Story Name	Financial Reports and insights.
Actors	User
Description	As a user I want generated reports and insights so I can understand better my financial situation.
Pre-conditions	 The user is logged in. The user must have financial data (income- expense-debt - savings).
Post-conditions	 The system generate the financial report showing categorized spending ,income sources and debt status. the system provides insights and recommendations.
Acceptance Criteria	Given I'm a logged-in user, When I request a financial report, Then the system should display the reports and the insights.



CS251: Phase 1 – User Sofra Project: Personal Budgeting

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Software Requirements Specifications

scenarios

Normal Scenario

Actor Action	System Response
1- User enters the "Financial Reports and	
Insights " section.	
2-user request for report and insights.	
	3- System displays the reports and the insights .
4-user asks for financial recommendation	5- the user gets AI recommendations.

Exceptional Scenario

Actor Action	System Response
1- User asks for financial report with no recorded transactions	
	2 – system informs the user that they must have recorded transactions.

Screen Design





Software Requirements Specifications



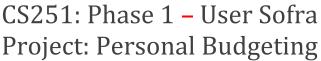
Figure 10 - Financial Reports and Insights

Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
Total income	Decimal	- sum of income transactions
Total expense	Decimal	- sum of expense transactions
Spending categories		-Spending categories in percentage

User Story #11

User Story ID	US #11
User Story Name	AI-Powered Expense Prediction
Actors	User
Description	As a user





Software Requirements Specifications

	I want the system to analyze my spending patterns and predict upcoming expenses.
	- The user is logged in.
Pre-conditions	- The user recorded at least 3 months of financial transactions.
	-Al Prediction is enabled for the user.
Post-conditions	- The system successfully schedules the recurring transaction.
Post-conditions	-the Transaction is automatically $\operatorname{recorded}$ on the due data .
	Given the user (I) has previous recorded financial data,
Acceptance Criteria	When I request an expense prediction,
	Then the system provides estimated expenses for the next month.

scenarios

Normal Scenario

Actor Action	System Response
1- User requests expense prediction	
	2-system analyzes past spending trends .
	3- The system displays estimated expenses per category.
	4-system alerts the user if the expenses exceed the budget.

Exceptional Scenario

Actor Action	System Response
1- User requests prediction with no previous data recorded.	





Software Requirements Specifications

2- system notify the user that there has to be at least 3 months of data recorded.

Screen Design



Figure 11 – AI Expense Prediction page

Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
Prediction date	Date	- the generated prediction date
Predicted expenses		- store the predicted expenses in different categories
Confidence level	Decimal(0,1)	-percentage score for accuracy





Software Requirements Specifications

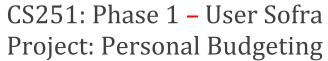
User Story #12

User Story ID	US #12
User Story Name	Donate
Actors	User
Description	As a user I want to be able to donate to charities and get monthly reminders for it.
Pre-conditions	 The user is logged in. The user has linked payment method for donation tracking.
Post-conditions	 The system successfully logs all donation transactions. the user can view donation history.
Acceptance Criteria	Given I want to donate, When I enter donation transaction, Then the system records it in the donation page.

scenarios

Normal Scenario

Actor Action	System Response
1- User clicks at donation section2-users enters a new donation	
	3- System records donation and update the balance





Software Requirements Specifications

Exceptional Scenario

Actor Action	System Response
1- User tries to donate an amount that exceeds their available budget	
	2- system warn the user and suggest adjusting the donation number.

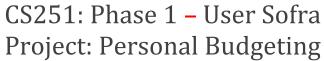
Screen Design



Figure 12 - Donation page

• Data Dictionary

Element Label	Type/Length	Data Validation / Business Rule
LICITICITE LANCI	i ype/ Leligui	Data Valluation / Busiliess Rule

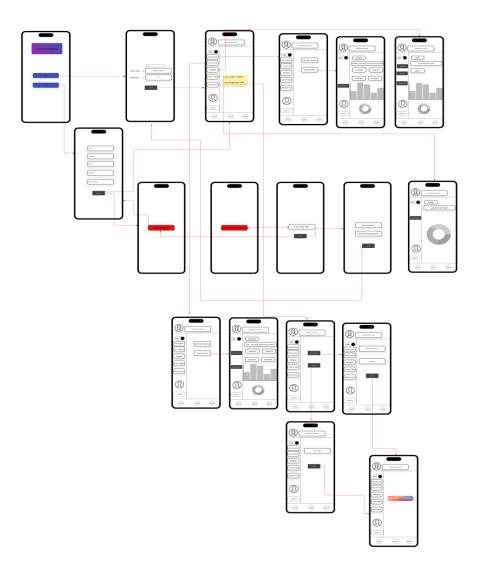




Software Requirements Specifications

Element Label	Type/Length	Data Validation / Business Rule
System alert	boolean	 if the input number exceeds the budget return false
Recipient name	string	 required , the user must enter the organization they want to donate to.
Donation amount	Decimal	-greater than zero

System Navigation Map







Software Requirements Specifications

You can zoom for more details:

https://drive.google.com/file/d/1yZFcYush3yEnM4HeuVmWHrK6JD8x XLn/view?usp=drive link

Tools

- www.mockflow.com for System Navigation Map
- https://lucid.app/ for use case

Ownership Report

Student	Items he created
Ahmed Hussein ahmed	Document Purpose and Audience, Introduction, Definitions, acronyms, and abbreviations, Requirements, use case.
Menna AbdELGawad Fathi	The first 6 user story
Mawada Emad Abdo Omar	The last 6 user story, presentation

We collaborated as a team to understand our project, analyze the requirements, and work together on every aspect. After completing the requirement analysis, we documented everything in this report.

This assignment helped us understand the importance of requirements and how to write an SRS document effectively.

Working as a team allowed us to learn a lot from each other, and we put great effort into writing this SRS document.