

# **PROJECT ANALYSIS**

## **PROJECT DESCRIPTION**

**Title:** BudgetWise

**Description:** BudgetWise is a web application made to help you control your finances. Users can track all their expenses by adding payments, categorize them into sections like food, recreation, rent, ... . Users can add notifications for when a specific category of expenses reaches a certain limit. With BudgetWise users can also visualize their spending habits in customizable graphs. With this application users will gain insights, set financial goals, and make smarter budgeting decisions.

## **USER STORIES**

### **1. Add a payment**

As a user

I'm able to add a payment and categorize it into sections like food, rent, etc, so that I can keep track of where my money is spent.

#### **Wireframe:**

The wireframe shows a form titled 'Add payment' within a 'BudgetWise' header. The form contains four input fields: 'Price: .....', 'Category: ..... (dropdown menu)', 'Date: .....', and 'Notes(optional): .....'. A 'Save' button is located at the bottom right of the form.

```
graph TD
    subgraph BudgetWise
        AddPayment[Add payment]
    end
    AddPayment --> Price[Price: .....]
    AddPayment --> Category[Category: ..... (dropdown menu)]
    AddPayment --> Date[Date: .....]
    AddPayment --> Notes[Notes(optional): .....]
    AddPayment --> Save[Save]
```

#### **Acceptance criteria:**

- The user can enter a payment amount.
- The user can select a category for the payment.
- The user can add the date of the payment.
- Optional notes can be added to provide more detail.
- Once the form is submitted, the payment should appear in a list of transactions.
- Payment is saved to the user's account, with confirmation shown (e.g., "Payment added successfully").

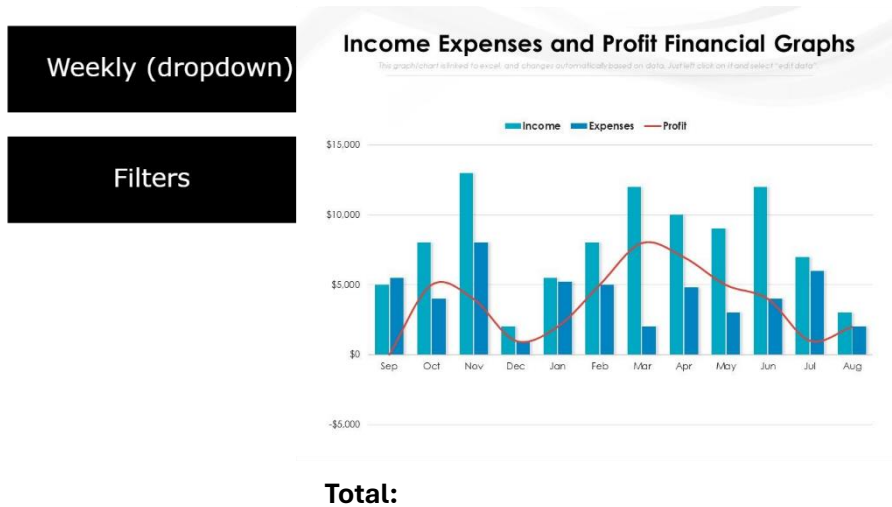
## 2. Visualize expenses

As a user,  
I'm able to visualize my expenses using customizable graphs (weekly, monthly, yearly, ...),  
so that I can understand my spending habits over time.

### Wireframe:

#### BudgetWise

#### Visualize expenses



### Acceptance criteria:

- The user can select between different timeframes (week, month, year).
- Graph updates dynamically when a new timeframe is selected.
- User can filter the graph to display spending by category.
- Total spend for the selected period is visible below the graph.

### 3. Set category limit notifications

As a user

I'm able to set a limit for a specific category of expenses,  
so that I'm able to receive notifications when my spending exceeds that limit.

#### Wireframe:

The wireframe shows a form titled 'BudgetWise Notifications'. It contains a 'Category (dropdown)' field, a 'Limit:' label, a text input field with a light blue border, and a 'Save' button.

BudgetWise  
Notifications

Category (dropdown)

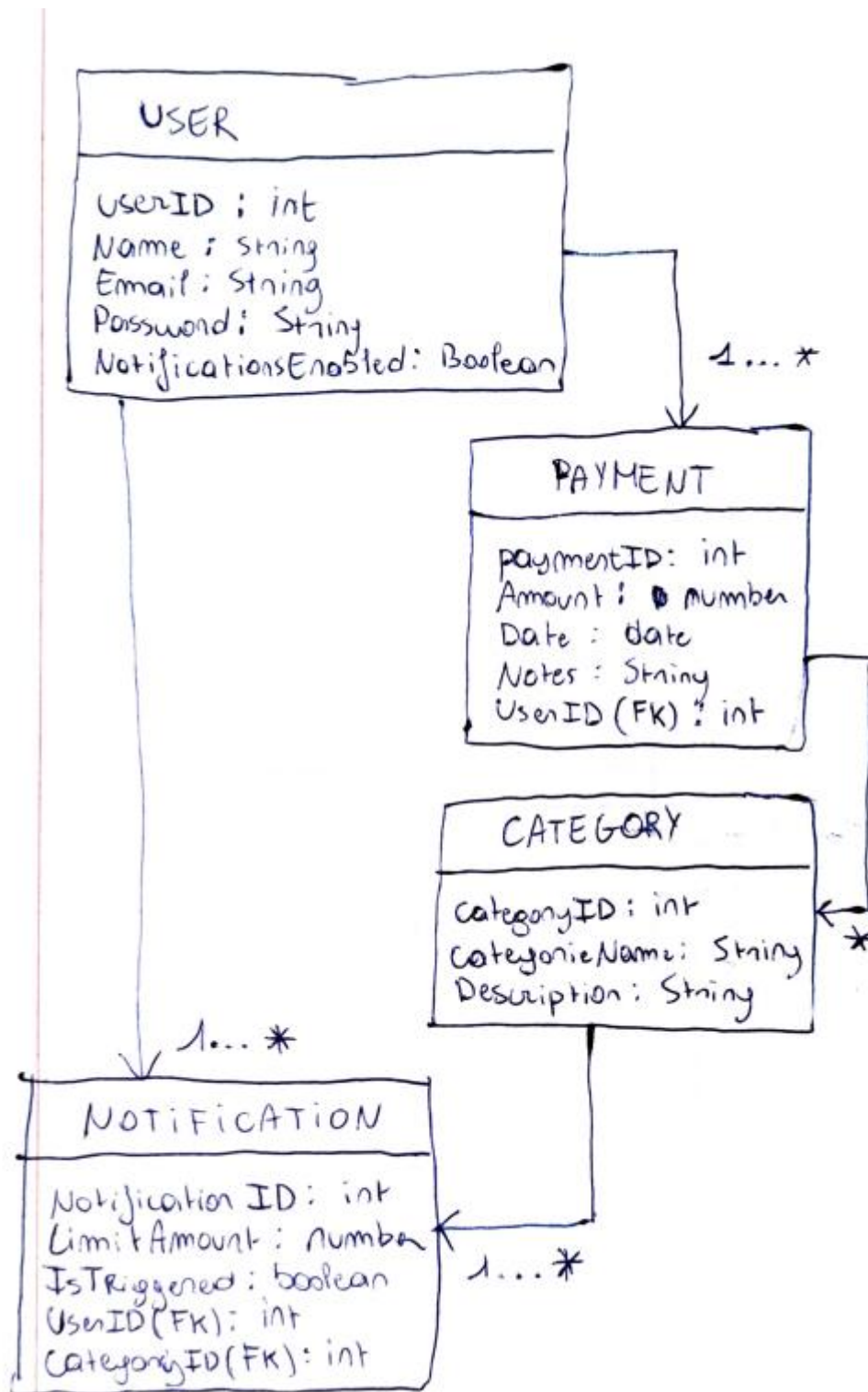
Limit:

Save

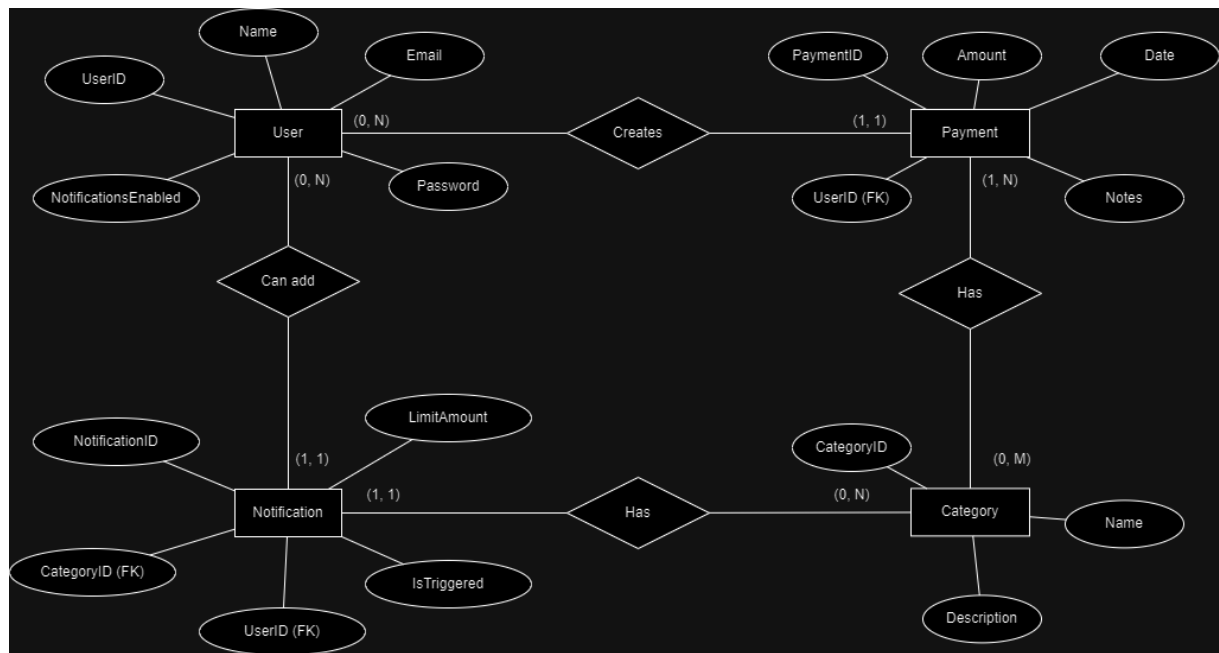
#### Acceptance criteria:

- The user can select a category to set a limit for (e.g., "Food").
- The user can enter an amount for the spending limit.
- Notifications should be triggered when the total spending in that category surpasses the limit.
- The user should receive a notification (email, popup, etc.) when the limit is exceeded.
- Limits can be edited or removed by the user.

## DOMAIN MODEL



## CONCEPTUAL MODEL



## LOGICAL MODEL

