

MONEY TRACKER SYSTEM OVERVIEW

moneytracker	userdetails
🔑	userID : int(20)
📄	name : varchar(50)
📄	contact : varchar(10)
📄	address : varchar(100)
📄	city : varchar(20)
📄	mail : varchar(45)
📄	gender : varchar(6)
📄	password : varchar(40)

moneytracker	expensecategory
#	userID : int(20)
🔑	categoryID : int(10)
📄	name : varchar(50)
📄	description : varchar(100)

moneytracker	expense
#	userID : int(20)
🔑	expenseID : int(11)
📅	date : date
#	categoryID : int(11)
#	amount : float
📄	note : varchar(255)

moneytracker	deposit
#	userID : int(20)
🔑	depositID : int(20)
📅	depositDate : date
#	depositAmount : float

moneytracker	balancesheet
🔑	userID : int(20)
🔑	transactionDate : date
🔑	transactionTime : time
#	expenseAmount : float
#	expenseID : int(20)
📄	expenseNote : varchar(255)
#	depositAmount : float
#	depositID : int(20)
#	balanceAmount : float

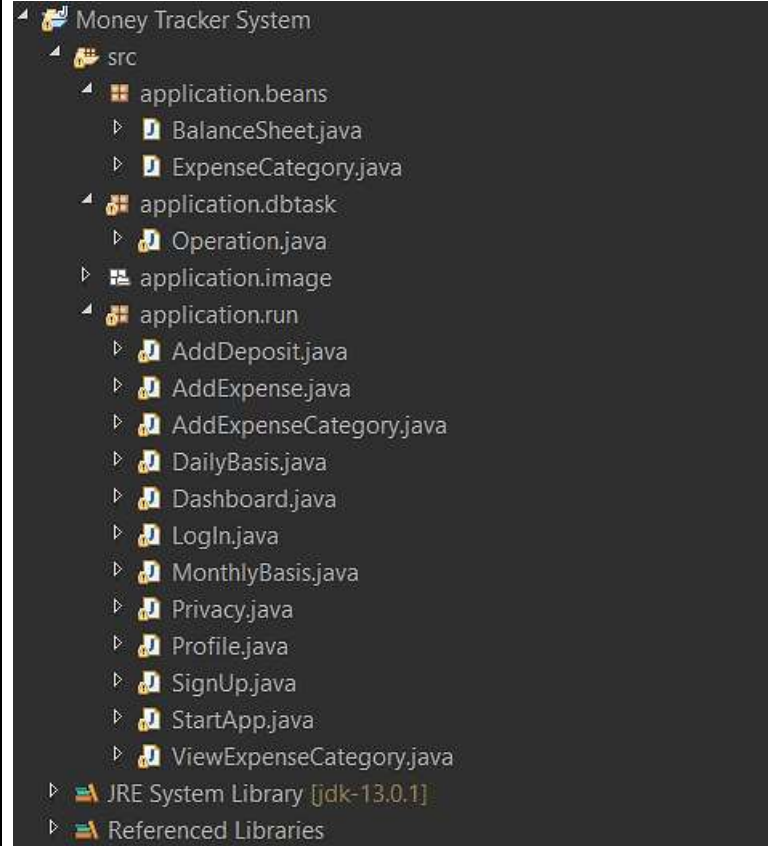
Database: moneytracker **Table:** userdetails, expensecategory, expense, deposit, balancesheet



Primary Key

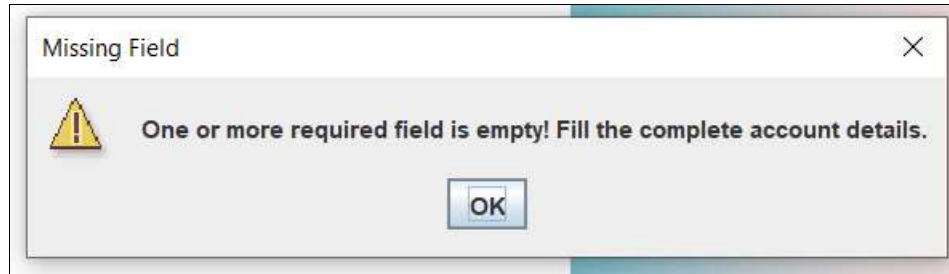
userdetails (userID)
expensecategory (categoryID)
expense (expenseID)
deposit (depositID)

Composite Primary Key

balancesheet (userID, transactionDate, transactionTime)

 <p>Money Tracker System</p> <ul style="list-style-type: none">src<ul style="list-style-type: none">application.beans<ul style="list-style-type: none">BalanceSheet.javaExpenseCategory.javaapplication.dbtask<ul style="list-style-type: none">Operation.javaapplication.imageapplication.run<ul style="list-style-type: none">AddDeposit.javaAddExpense.javaAddExpenseCategory.javaDailyBasis.javaDashboard.javaLogIn.javaMonthlyBasis.javaPrivacy.javaProfile.javaSignUp.javaStartApp.javaViewExpenseCategory.java<p>JRE System Library [jdk-13.0.1]</p><p>Referenced Libraries</p>	<p>JFrame</p> <ul style="list-style-type: none">StartAppLogInSignUpDashboardPrivacy <p>JInternalFrame</p> <ul style="list-style-type: none">AddDepositAddExpenseAddExpenseCategoryDailyBasisMonthlyBasisViewExpenseCategoryProfile <p>Runnable JAR File Specification</p> <p>Launch Configuration:</p> <ul style="list-style-type: none">StartApp.java
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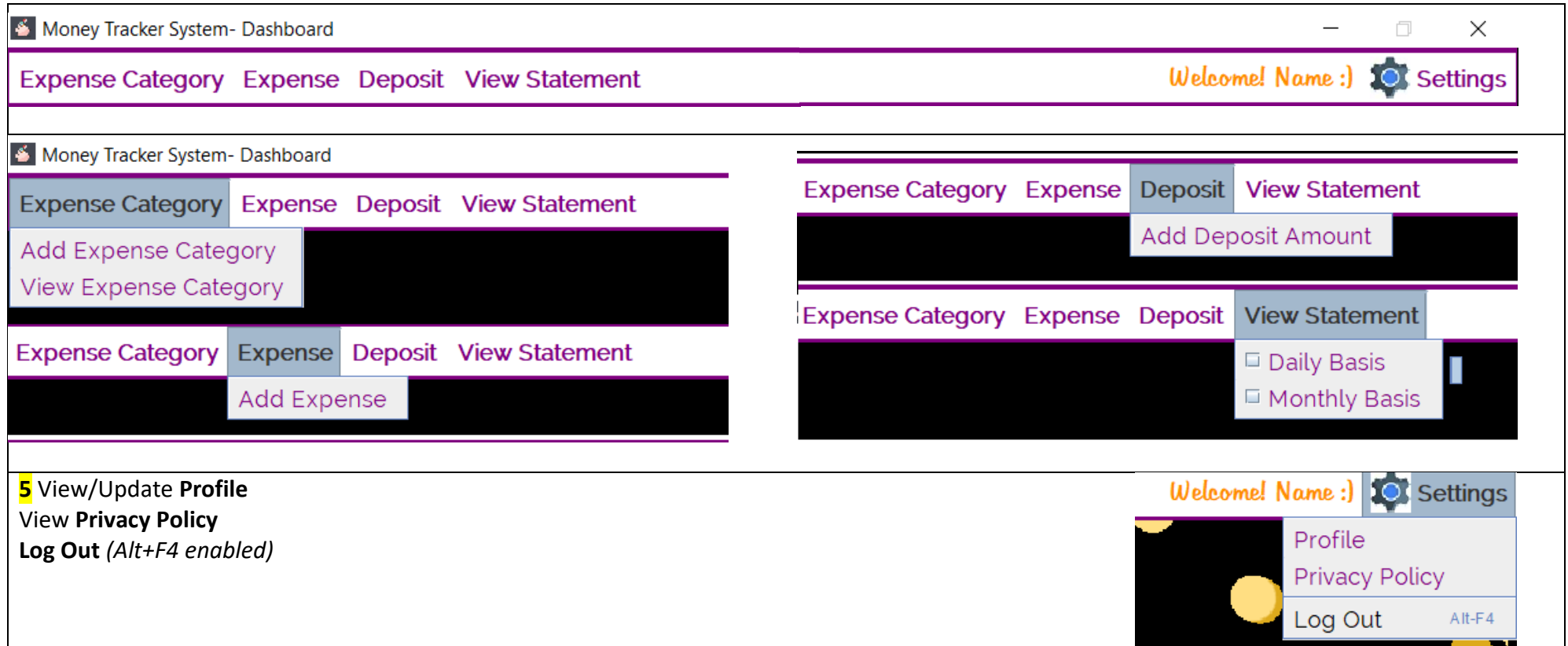
		<p>1 Press Enter to directly LogIn (<i>Enter key enabled</i>) Missing Field Message Dialog Box on incomplete entry. Or, directly switch to SignUp Page (<i>Create Account</i>)</p>
<p>2 Allot UserID (Automatically) Option to return back to LogIn Page</p>		



3 Missing Field Message Dialog Box on incomplete entry in **SignUp** Page. Only digits are accepted in contact number field.

4 Open **Privacy Policy** Page on the click of checkbox. Confirmation Dialog Box, If **No** or **Cancel** option selected, no entry made and cursor remains on the same screen, else user get to the **Dashboard**.

A screenshot of a 'SignUp' page with a confirmation dialog box overlaid. The dialog box is titled 'Select an Option' and contains a green question mark icon, the text 'Name, Your account will be created with the User ID 100014. Are you sure you want to continue?', and 'Yes', 'No', and 'Cancel' buttons. The background page has a light purple gradient and includes the following elements: a 'Log In' link at the top right; a label 'Already have an account !?' above the 'Log In' link; a label 'Alloted User ID' next to a text input field containing '100014'; a 'Name' label next to a text input field; a text input field containing '9999999999'; an 'Address' label next to a text input field; a 'City' label next to a text input field; an 'E-Mail' label next to a text input field containing 'name@gmail.com'; a 'Gender' label next to radio buttons for 'Male' (selected) and 'Female'; a 'Set Password' label next to a text input field containing '****'; a checkbox labeled 'I agree to the Privacy Policy.' which is checked; and a 'Create Account' button at the bottom right.



Deposit Amount ₹

Add

View Balance Amount

(Account Balance Not Added Yet)

6 For new user Balance Amount will be shown as ***“Account Balance Not Added Yet”*** in Add Deposit Amount Page.

7 If user try to add expense amount without adding any expense category, the message will be displayed as ***“Add Category From ‘Add Expense Category’ Page Inorder To Proceed.”***

Expense ID 70047

Date 09-06-2020

Category ID

Amount ₹

Note (Optional)

Add

No Expense Category Found

Add Category From 'Add Expense Category' Page Inorder To Proceed.

OK

8 Add Expense Category

User can add expense category multiple time. Every time user **Add Category**, new CategoryID gets generated and displayed on the screen.

AutoScrollBar Added on Description




The image shows three sequential screenshots of a web form titled 'Add Expense Category'. The form has a purple background. The first screenshot shows the 'Category ID' field with the value '9029'. The second screenshot shows the 'Name' field with the value 'Book' and the 'Description' field with a list of categories: 'Fiction', 'Drama', 'Study Material', and 'Comics'. The third screenshot shows the 'Category ID' field with the value '9030'. Each screenshot has an 'Add Category' button at the bottom.



The image shows a web form titled 'Expense' with a teal background. The form fields are: 'Expense ID' (70047), 'Date' (09-06-2020), 'Category ID' (9029), 'Amount' (₹ 100), and 'Note' (Gifted Book). An 'Add' button is at the bottom. An error message dialog box is displayed over the form, titled 'No Balance Amount' with a red 'X' icon. The message reads: 'Insufficient Account Balance. Deposit Amount To Make Transaction.' with an 'OK' button.

9 Even after adding Expense Category, if user wants to expense, the error message will be displayed **"Insufficient Account Balance...."**

User needs to add some deposit amount inorder to expense.

<div>Added</div> <div> Deposit Amount Added Successfully</div> <div>OK</div>	<div>Deposit ID<div>40099</div></div> <div>Deposit Date<div>09-06-2020</div></div> <div>Deposit Amount<div>₹ 1000</div></div> <div>Add</div> <div>View Balance Amount</div> <div>(Account Balance Not Added Yet)</div>	<div>Deposit ID<div>40100</div></div> <div>Deposit Date<div></div></div> <div>Deposit Amount<div>₹ </div></div> <div>Add</div> <div>View Balance Amount</div> <div>₹ 1000.0</div>
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10

 Now adding Rs. 1000.
Click **View Balance Amount** -> Rs. 1000 (*Updated balance*).
Auto-increment **Deposit ID** after adding deposit amount.

Expense ID: 70047

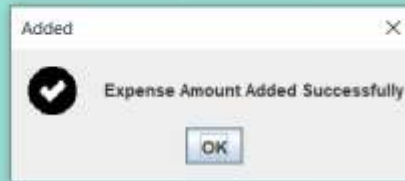
Date: 09-06-2020

Category ID: 9029

Amount: ₹ 1000

Note (Optional): Gifted Book

Add



11 After deposit of Rs. 1000, add expense of Rs. 1000. Message Dialog Box on adding expense.

12 Now, if user check the balance, it shows **Rs 0.0 (No Account Balance)**.

Deposit ID: 40100

Deposit Date:

Deposit Amount: ₹

Add

View Balance Amount

₹ 0.0 (No Account Balance)

13 View Expense Category

Category ID	Name	Description	Refresh
9029	Book	FictionDramaStudy MaterialComics	

14 View Transaction on DailyBasis

Transaction Date	Time	Expense Amount	Expense ID	Note	Deposit Amount	Deposit ID	Balance Amount	Refresh
2020-06-09	16:22:51	₹ 1000.0	70047	Gifted Book	-	-	₹ 0.0	
2020-06-09	16:16:43	-	-	-	₹ 1000.0	40099	₹ 1000.0	

Select Date
09-Jun-2020

Refresh

ID: 100014

Name: Name

Contact Number: 9999999999 [Change](#)

Address: Address

City: City

E-Mail: name@gmail.com

Gender: Male

Password: **** [View](#)

Change Contact Number

Enter New Contact Number:

OK Cancel

15 In **Profile** Page, view details and update contact number directly. Only digits are accepted in contact number field.