Financial Planner

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Internal Guide:-
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Financial Planner

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INTRODUCTION

➢ Managing the present and future goals.

➢ Financial planning is the process of planning, accessing, setting, reviewing your financial goals for future as well as present terms.

➢ Its not only about the investment criteria or the building wealth portion but also to maintain and setting up everyday spending limit, planning for retirement, setting up home loans, planning for a family, planning for children's education, setting up life insurance, accessing the amount of wealth that resides with oneself, making plans to achieve a certain amount of financial goal and much more. All of these facets are interconnected for a financial plan.

➢ Financial plans help you make more realistic plans, evaluate better alternatives and to give a thought in various perspectives and taking effective and essential decisions accordingly.

NEED FOR THE SYSTEM?

➢ This app helps to access the finances and make a plan accordingly in order to assist in any situation.

➢ Everyone has a long-term or short term goal. So there must be adequate amount of money in order to accomplish those financial futuristic goals, hence, this app help to set a proper financial goal for plotting through various courses.

➢ This app helps to plan your finances in accordance that it funds you in any situation whether in bad or worse unexpected situation.

➢ It helps to Track and monitor as well as manage the portfolio depicting the amount i ncomings and outgoings of the money invested and the amount actually withhold and the similarly the returns on it.

➢ It displays accurate results by neglecting the tedious mathematical calculations manually with a quick response in no time.

SCOPE OF THE SYSTEM

- The user must be able to calculate the EMI(Equity Monthly Interest).

- The user must be able to compare various loans.

- The user must be able to analyze/ manage his/her wealth.

- The user must be able to set the financial goal and plan the investment accordingly.

- The financial goals must include:
  - retirement plan .
  - children's marriage.
  - plan a house.
  - financial target.

- The user must be able to calculate the SIP(Systematic investment Planning).

- The user must be able to calculate the amount of Fixed deposit.

- The user must be able to calculate the amount of Recurring deposit.

- The user must be able to view the finance website for better investment ideas.

- The user must be able to view the live financial market.

- There must be proper visualized graphs regarding the total amount invested or received.

SYSTEM MODULES

➢Modules:

- Log In
- EMI Calculator
- Loan Compare
- Wealth Analysis
- Goals:
  - Retirement Plan
  - Children's Marriage
  - House Plan
  - Financial Target
- Systematic Investment Plan
- Fixed Deposit
- Recurring Deposit
- Investment Ideas
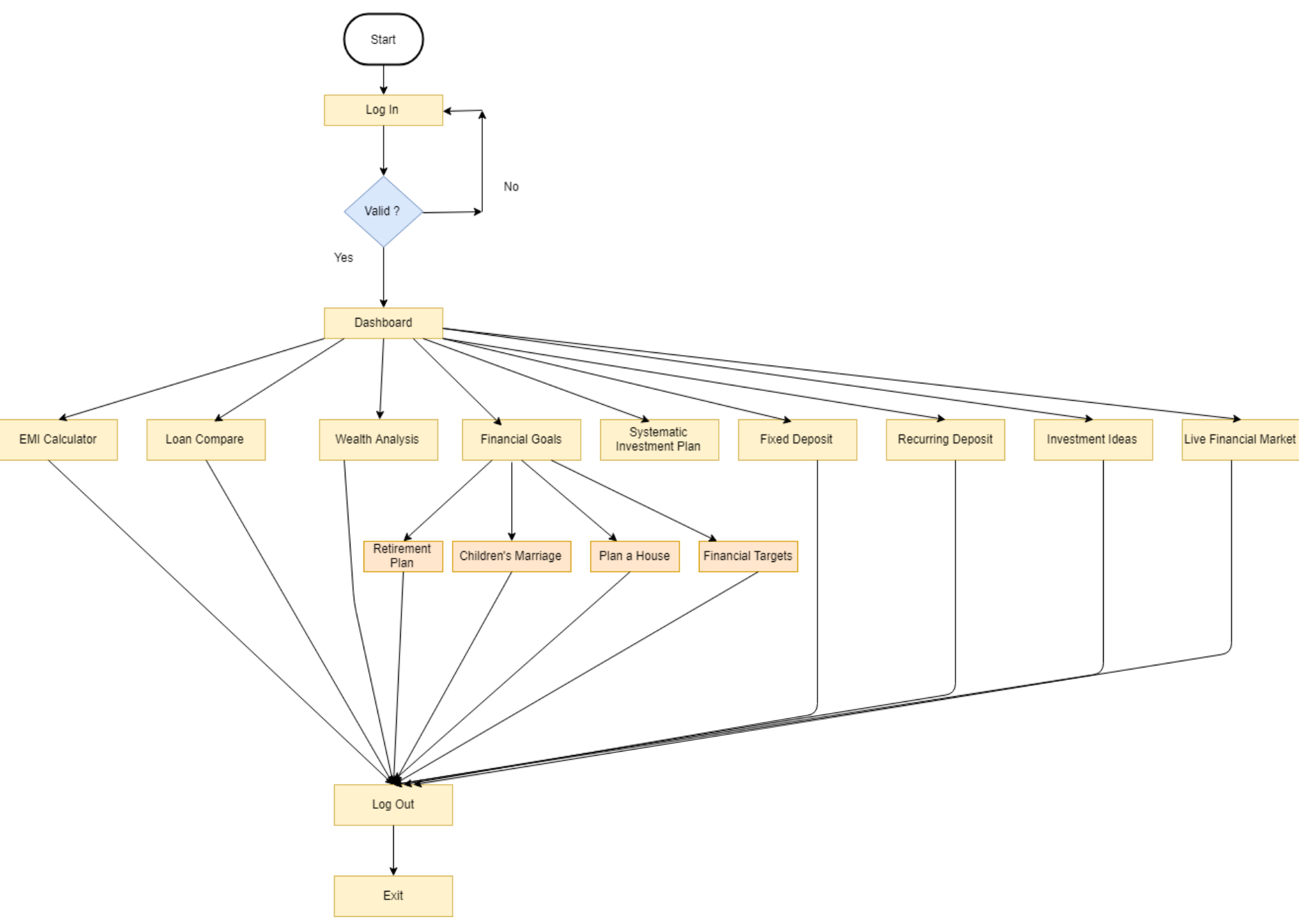- Live Financial market

➢Users

- Client

TOOLS AND TECHNOLOGIES

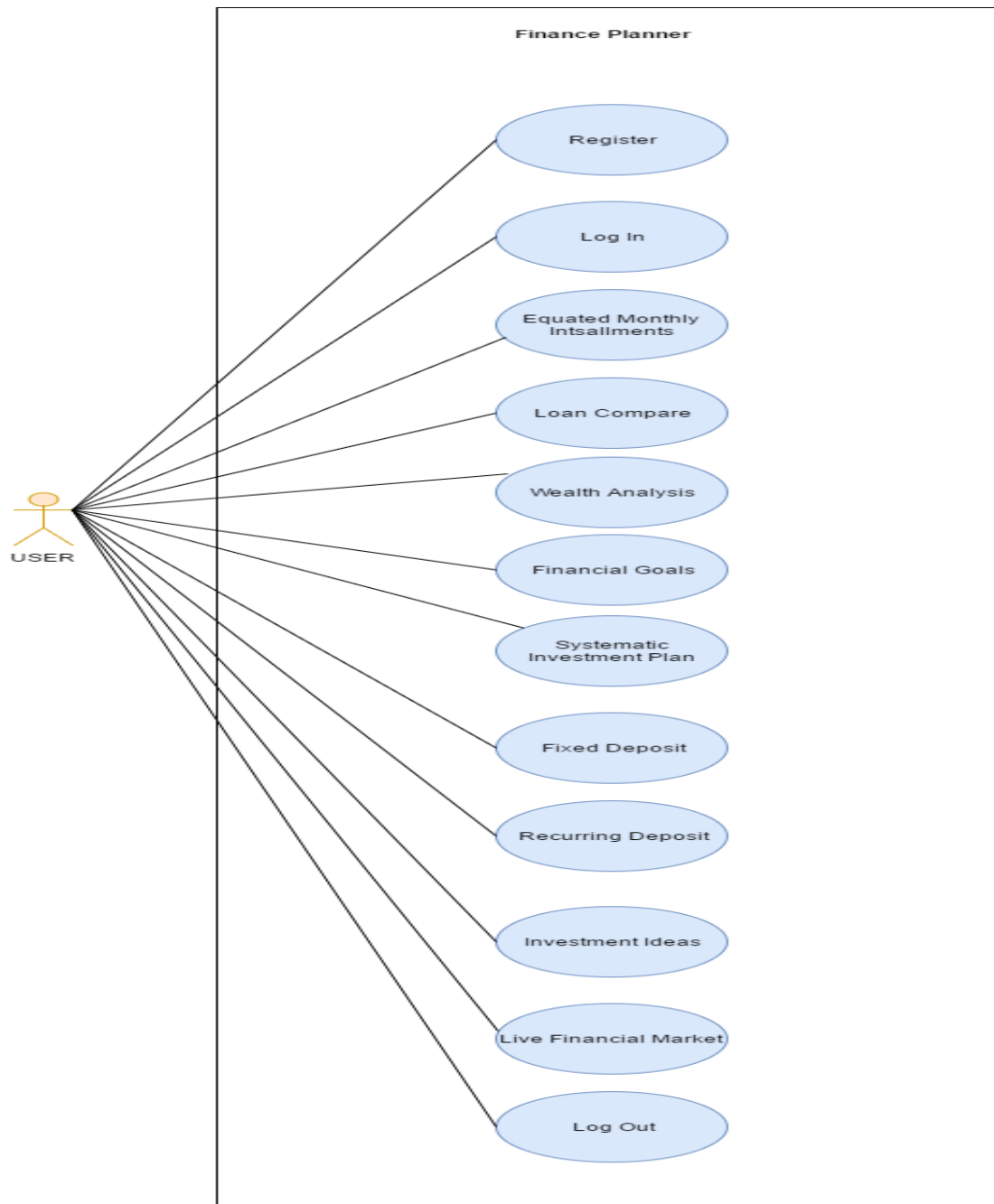| Tools	Android Studio
Language	Java, XML
Database	Firebase Database
Operating System	Android
Application Size	25MB

EXISTING *VS* PROPOSED SYSTEM

– Existing system does not have a facility of live market or direct connectivity to the web browser for investment ideas whereas proposed system has this facility for getting various investment ideas.

– Existing system does not have any facility of wealth analysis module, which provides with the information which gives out the result of much wealth you withhold in total in FD,RD and EMI respectively and how much amount of money you can actually save and need in future.
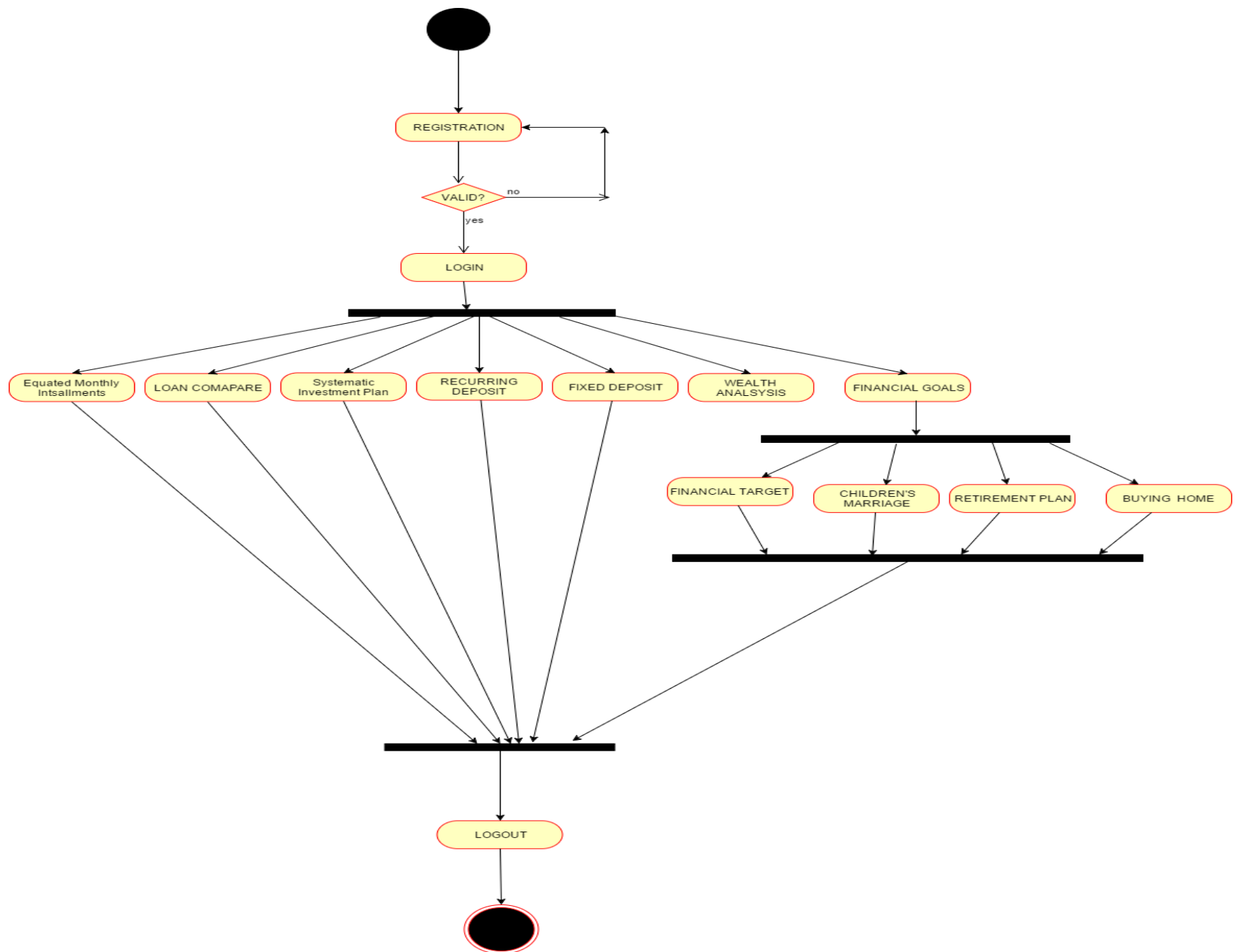
SYSTEM FLOW CHART

Start

Log In

Valid ?

No

Yes

Dashboard

EMI Calculator

Loan Compare

Wealth Analysis

Financial Goals

Systematic Investment Plan

Fixed Deposit

Recurring Deposit

Investment Ideas

Live Financial Market

Retirement Plan

Children's Marriage

Plan a House

Financial Targets

Log Out

Exit

FINANCIAL PLANNER

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USE CASE DIAGRAM

FINANCIAL PLANNER

ACTIVITY DIAGRAM

FINANCIAL PLANNER

CLASS DIAGRAM

EMI

-amount:int
-interest(%):int
-tenure(years):int

-update(int):int
-insert(int):int
-delete(int):int

LOAN COMPARE

-principal_amount:int
-interest:int
-loan_tenure:int

-update(int):int
-insert(int):int
-delete(int):int

RECURRING DEPOSIT

-Monthly_deposit_amount:int
-Rate_of_interest:int
-Tenure:int

-update(int):int
-insert(int):int
-delete(int):int

wealth analysis

-salary:int
-expenses:int
-tenure:int
-amount_deposit:int
-returns:int

-update(int):int
-insert(int):int
-delete(int):int

user

-id:int
-name:char
-password:varchar

-update(int):int
-insert(int):int
-delete(int):int

FIXED DEPOSIT

-Total_deposit:int
-Rate_of_interest:int
-Tenure:int

-update(int):int
-insert(int):int
-delete(int):int

RETIREMENT PLAN

-current_age:int
-retirement_age:int
-monthly_expenses_after_retirement:int

-update(int):int
-insert(int):int
-delete(int):int

plan a house

-apartment_price:int
-down_payment:int
-tenure:int
-rate_of_interest:int
-duration(year):int

-update(int):int
-insert(int):int
-delete(int):int

FINANCIAL TARGET

-target:int
-tenure:int

-update(int):int
-insert(int):int
-delete(int):int

SIP

-monthly_deposit:int
-expected_yearly_returns(%):in
-period:int

-update(int):int
-insert(int):int
-delete(int):int

1..*   1..*   1..*   1..*   1..*   1..*   1..*   1..*   1..*

FINANCIAL PLANNER

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DESIGN
User Interface

Splash screen
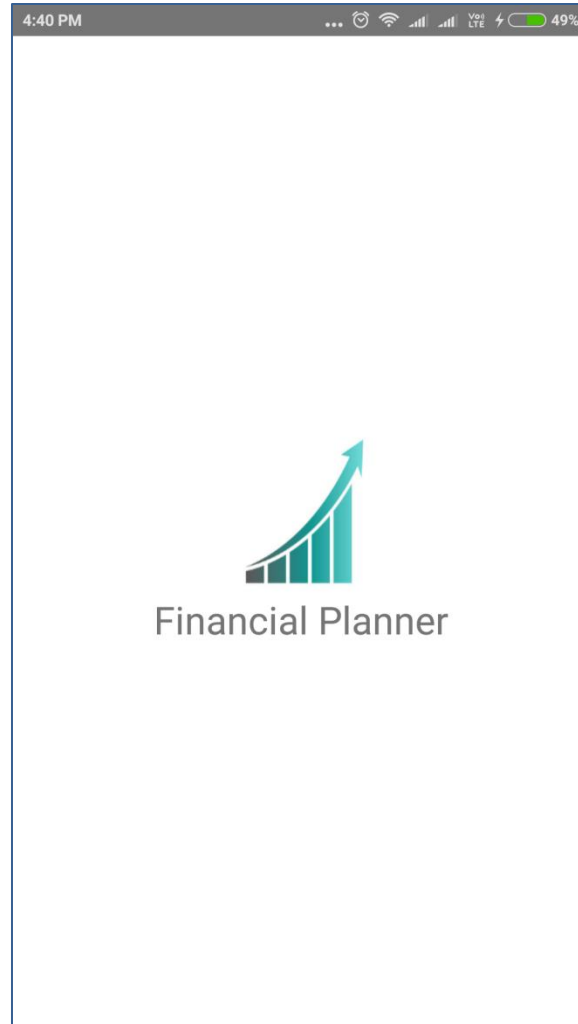
Login screen:

Finance Planner

riya.gupta97@gmail.com

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LOG IN

ENTER

Login specifications:

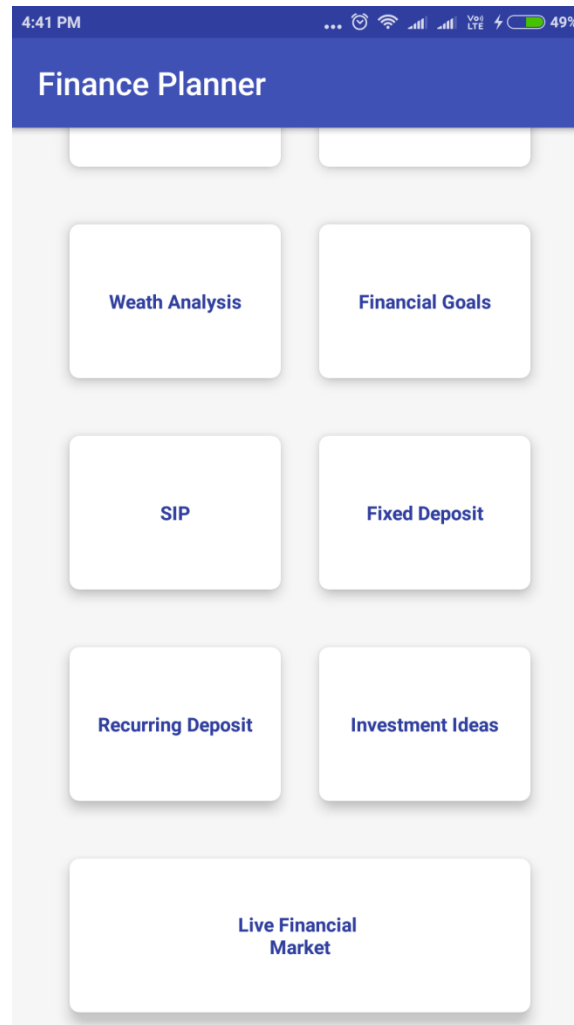| Data/UI elements	Data considerations	Behavior considerations
Username	Text entry field	Mandatory field. Displays the username as entered as per the specifications.
Password	Text entry field	Mandatory field. Displays the password (in encrypted format) as entered as per the specifications.
Login	Button	On users click, when the password matches the one in the database, this screen redirects it to the dashboard screen.
Enter	Button	(for temporary purpose) it will directly redirect to the dashboard screen.

Dashboard screen-1
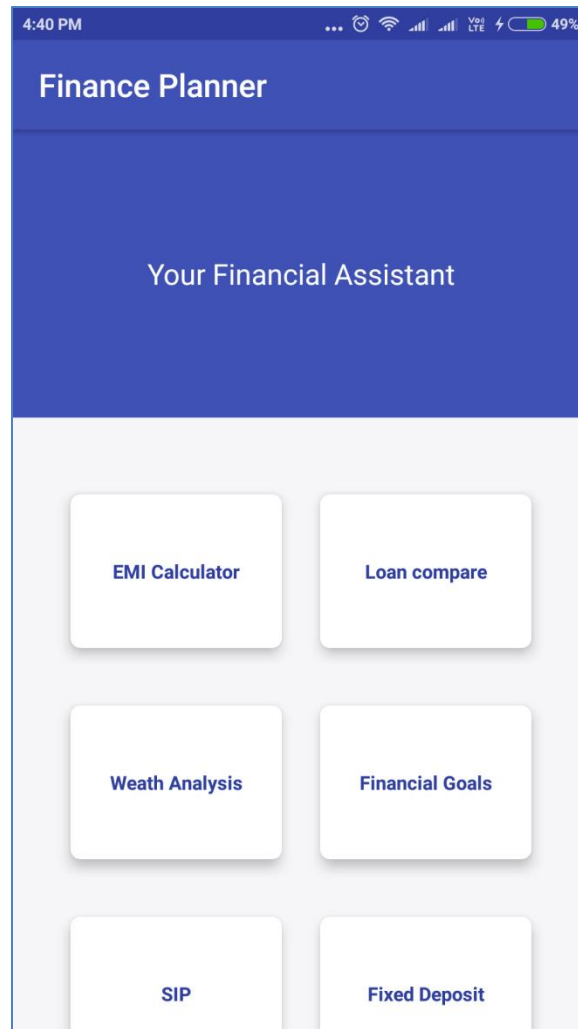
Dashboard Specifications:

Data/UI elements	Data considerations	Behavior considerations
Emi calculator	Cardview	On users click displays the EMI calculator screen
Loan compare	Cardview	On users click, a loan compare page open that compares 2 loans.
Wealth analysis	Cardview	On users click, it displays the analysis of wealth stored in various modules such as RD,FD.
Financial goals	Cardview	On users click, it displays a page again with 4 more modules i.e. The retirement plan, children's marriage, plan a house and financial target.

Dashboard screen-2

Data/UI elements	Data considerations	Behavior considerations
SIP	Cardview	On users click, it displays a Systematic investment planning page.
Fixed deposit	Cardview	On users click, it displays a Fixed deposit page.
Recurring deposit	Cardview	On users click, it displays a Recurring deposit page.
Investment ideas	CardView	On users click, it re-directs to a page opening a browser inside the app itself and also re-directs www.businesstoday.com
SIP	Cardview	On users click, it displays a Systematic investment planning page.

EMI Calculator

EMI Calculator Specifications:

Data/UI element	Data considerations	Behavior considerations
Amount	Text entry field	Mandatory field. Displays the amount as entered.
Interest(%)	Text entry field	Mandatory field Displays the interest as entered
Tenure(years)	Text entry field	Mandatory field Displays the tenure in years format as entered.
Reset	Button	On users click, it refreshes the all the details previously filled.

Data/UI element	Data considerations	Behavior considerations
Calculate	Button	On users click, it calculates the EMI and gives the result.
EMI	Textview	It displays the EMI result
Total interest	Textview	It displays the interest amount that is levied on the loan amount.
Total payable	Textview	It displays the amount deposited (principal amount + interest) on it.

Loan Compare-1

Loan Compare Specifications:

Data/UI element	Data considerations	Behavior considerations
Principal Amount	Text entry field	Mandatory field. Displays the amount as entered.
Interest(%)	Text entry field	Mandatory field. Displays the interest(monthly) as entered.
Loan Tenure(year)	Text entry field	Mandatory field Displays the tenure(year) as entered.
Reset	Button	On users click, it refreshes the all the details previously filled for 2 loans simultaneously.

Loan Compare-2

Data/UI element	Data considerations	Behavior considerations
compare	Button	On users click it calculates the EMI and gives the result for 2 loans simultaneously.
EMI(monthly payment)	Textview	It displays the EMI result
Total interest	Textview	It displays the interest amount that is levied on the loan amount.
Total payable(principle + interest)	Textview	It displays the amount deposited (principal amount + Interest)on it.

Wealth Analysis-1

Wealth Analysis Specifications:

Data/ui elements	Data considerations	Behavior considerations
Salary	Text entry field	Mandatory field. It displays the salary of the user as entered.
Expenses	Text entry field	Mandatory field. It displays the expenses incurred by the user as entered.
Cash	Textview	It displays the amount of cash left (i.e. the salary minus the expenses)
Savings	Textview	It is the 10% amount from the cash left with the user.
Total cash	Textview	It displays the total cash withhold (i.e. 10% from the cash is added to savings).
Calculate	Button	On users click, it displays the above details.

Wealth Analysis-2

Data/ui elements	Data considerations	Behavior considerations
Fixed deposit(FD)	Check box	When the user clicks on the checkbox, it displays the tenure, the amount invested and rate of interest as entered.
Invested amount	Textview	It displays the total amount invested for a particular duration.
Total interest	Textview	It displays the interest amount (levied on the amount deposited)
Returns	Textview	It displays the total amount that is received (i.e. principal amount+ interest)

Wealth Analysis-3

Data/ui elements	Data considerations	Behavior considerations
Recurring deposit(RD)	Checkbox	When the user clicks on the checkbox, it displays the tenure, the amount invested and rate of interest as entered.
Invested amount	Textview	It displays the total amount invested for a particular duration.
Total interest	Textview	It displays the interest amount (levied on the amount deposited)
Returns	Textview	It displays the total amount that is received (i.e. principal amount+ interest).
Calculate	Button	On users click, it displays the your total current wealth in hand (invested amount in total)and the total amount you own(the total returns).

Financial Goals
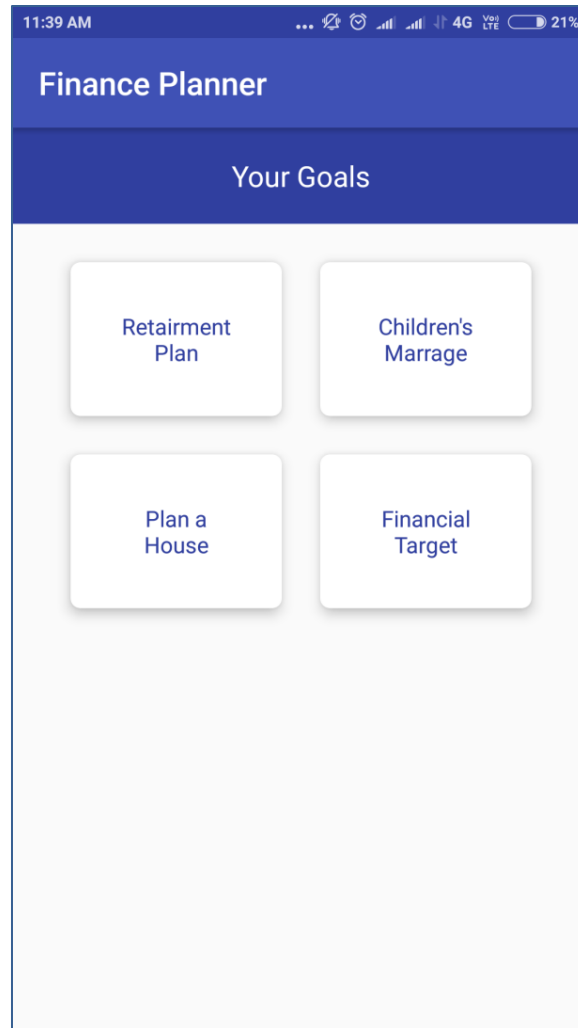
Retirement Plan-1

Retirement Plan-2
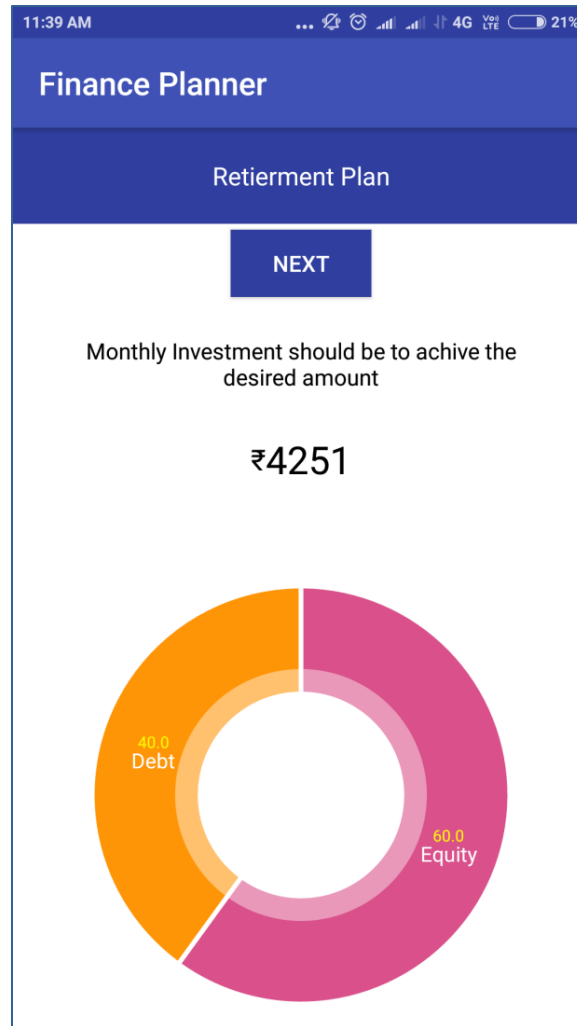
Retirement Plan-3

Retirement Plan Specifications:

Data/UI element	Data considerations	Behavior considerations
Current age	edittext	Mandatory field. it displays the current age of the user as entered.
Retirement age	edittext	Mandatory field. it displays the retirement age of the user as entered.
Monthly expenses after retirement	exietext	Mandatory field. it displays the monthly expenses that are actually needed or rather desired to have after retirement as Entered.
Go	button	On users click, it proceeds further to calculate how much money is actually required in ordered to get that much amount of desired monthly expenses after retirement.
Next	button	On users click, it displays the result based on the monthly investment that is required to achieve that much amount. and also dis plays a pie chart, showing two legnedaries:1.equity 2.debt.

House Plan-1

House Plan Specifications:

Data/UI elements	Data considerations	Behavior considerations
Apartment price	Text entry field	Mandatory field. It displays the price of the apartment as entered.
Down payment	Text entry field	Mandatory field.it displays the amount that is to be paid in advance.
In how many years you want to buy the house?	Text entry field	Mandatory field. it displays the tenure as entered.
Ok	Button	On users click, it displays that in how many years(as per the tenure entered) , how much monthly investment is required to make the threshold of the d own payment.

House Plan-2

Data/UI elements	Data considerations	Behavior considerations
Calculate EMI	Button	On users click, it displays the monthly deposit that is need to make in order to pay back the apartment price (apart from the down payment)
Rate of interest(%)	Text entry field	Mandatory field. it displays the rate of interest i.e. levied on the amount.
Duration(year)	Text entry field	It displays the tenure as entered.
For the rest	Text entry field	It displays the amount EMI required to pay the rest amount.
Calculate	Button	On users click, it displays the EMI result based on the above details filled

Financial Target-1

Financial Target-2

Financial Target-3

Financial Target-4
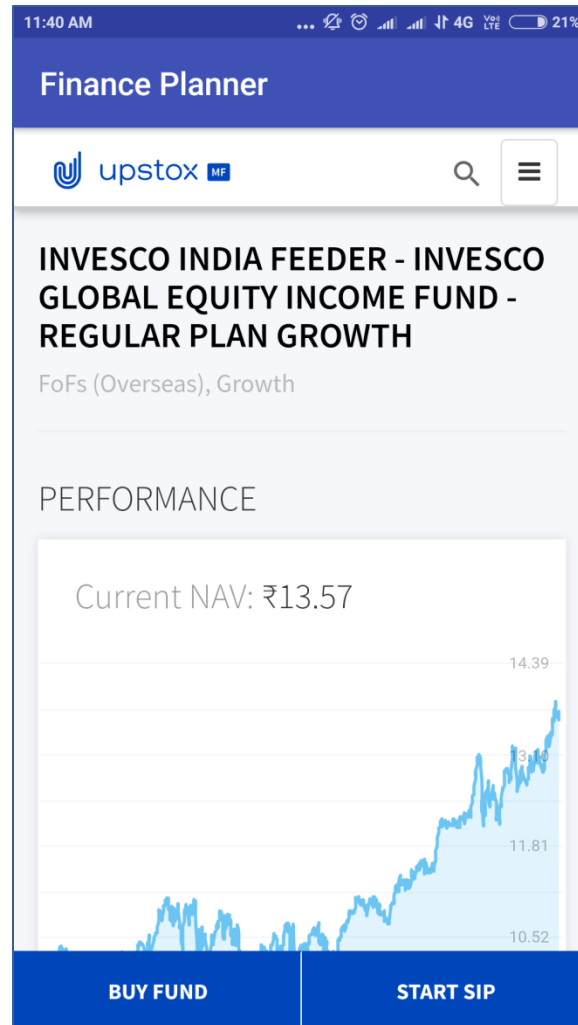
Financial Target Specifications:

Data/ui elements	Data considerations	Behavior considerations
Target	Text entry field	Mandatory field.it displays the amount that is needed in future.
In how many years would you want to achieve the target?	Text entry field	Mandatory field.it displays the tenure period that is required to get that much amount of money as specified.
Ok	Button	On users click, various schemes are displayed indicating various rate of interests provided by them.
Start invest	Button	On users click, it displays how much amount id needed to invest monthly and it redirects to the website browser.
Buy fund	Button	on users click it helps to buy the fund.
Start SIP	Button	On users click it redirects the page to buy the SIP.

Systematic Investment Plan-1

Systematic Investment Plan Specifications:

Data/UI element	Data considerations	Behavior considerations
Monthly deposit	Text entry field	Mandatory field. Displays the amount that is deposited monthly as entered.
Expected yearly return (%)	Text entry field	Mandatory field. Displays the rate of interest as entered.
Period (Min 1 year for wealth creation)	Text entry field	Mandatory field. Displays the tenure and must be at least 1 year duration as entered.
Reset	Button	On users click, it refreshes the all the details previously filled.

Systematic Investment Plan-2
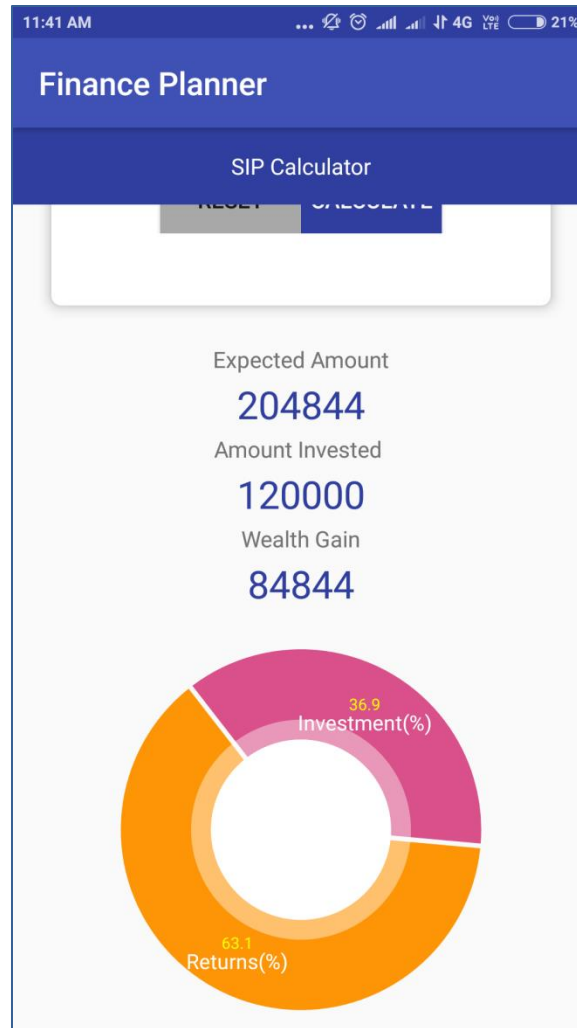
Data/UI element	Data considerations	Behavior considerations
Calculate	Button	On users click ,it calculates the Systematic investment amount and gives the result.
Expected amount	Textview	It displays the amount that will be received after a particular duration.
Amount invested	Textview	It displays the total amount actually invested.
Wealth gain	Textview	It displays the amount of profit gained after interest accrued in the amount deposited.
Calculate	Button	On users click , it calculates the Systematic investment amount and gives the result.

Fixed Deposit-1

Fixed deposit specifications:

Data/UI element	Data considerations	Behavior considerations
Total deposit.	Text entry field	Mandatory field. Displays the amount that is deposited monthly as entered.
Rate of interest (%)	Text entry field	Mandatory field. Displays the rate of interest as entered.
Tenure(year)	Text entry field	Mandatory field. Displays the tenure in years format as entered.
Reset	Button	On users click, it refreshes all the details previously filled.

Fixed Deposit-2

Data/UI element	Data considerations	Behavior considerations
Calculate	Button	On users click it calculates the Fixed deposit and gives the result.
Amount invested	Textview	It displays the total amount actually invested for the total duration.
Return	Textview	It displays the total interest amount on that total deposit.
Wealth gain	Textview	It displays the amount of profit gained after interest accrued on the amount deposited.

Recurring Deposit-1

Recurring Deposit Specifications:

Data/UI element	Data considerations	Behavior considerations
Monthly deposit amount	Text entry field	Mandatory field. Displays the amount that is deposited monthly as entered.
Rate of interest(%)	Text entry field	Mandatory field. Displays the rate of interest as entered.
Tenure(year)	Text entry field	Mandatory field. Displays the tenure in years format as entered.
Reset	Button	On users click, it refreshes the all the details previously filled.

Recurring Deposit-2

Data/UI element	Data considerations	Behavior considerations
Calculate	Button	On users click, it calculates the Recurring deposit and gives the result.
Amount invested	Textview	It displays the total amount actually invested.
Return	Textview	It displays the interest amount on the amount invested.
Wealth gain	Textview	It displays the amount of profit gained after interest accrued on the amount deposited.

Investment Ideas-1
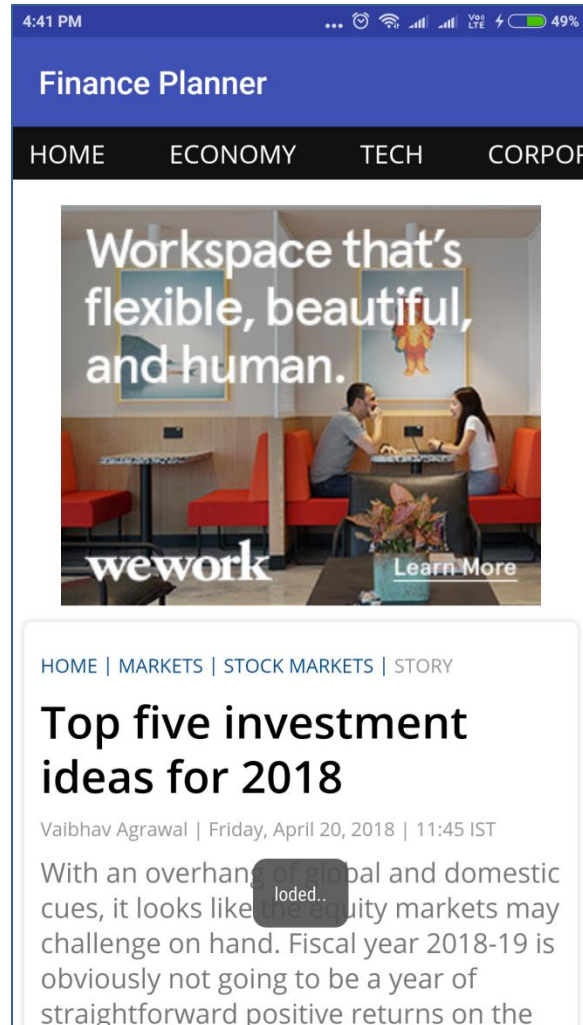
Investment Ideas-2

Investment Ideas Specifications:

Data/UI element	Data considerations	Behavior considerations
Investment ideas module	CardView	On users click, re-directs to the www.businesstoday.com page.

Live Financial Market-1
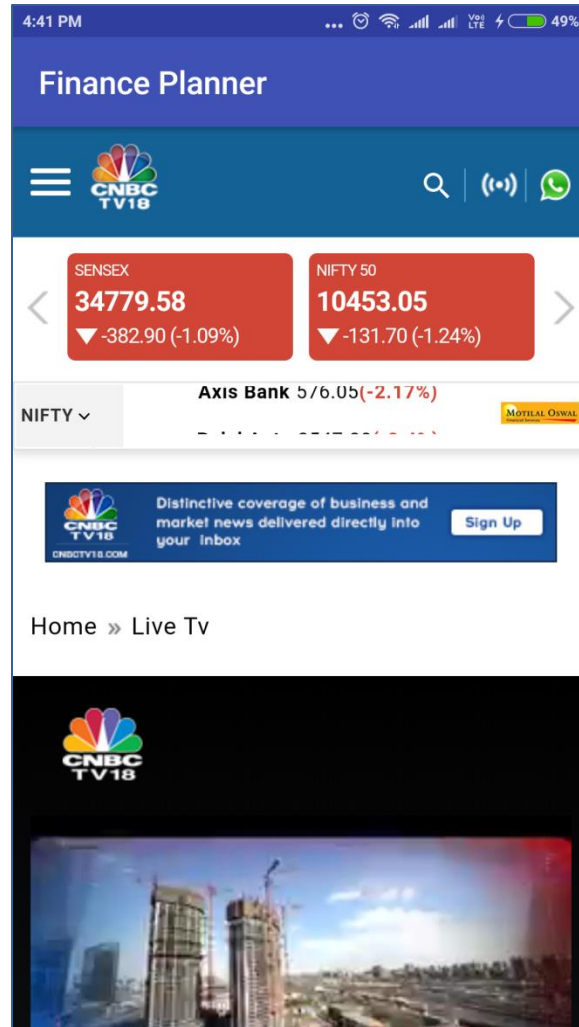
Live Financial Market-2
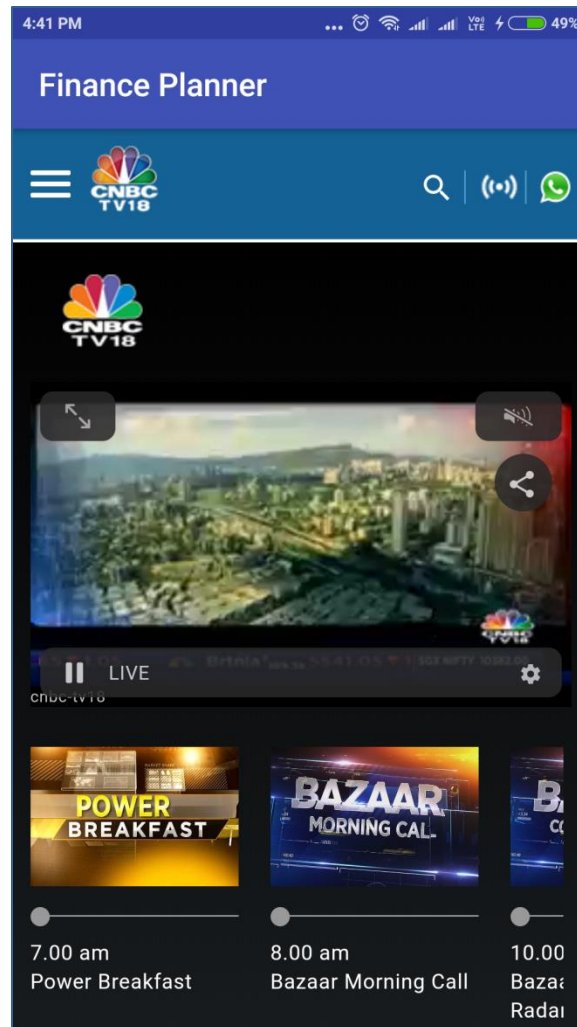
Live Financial Market Specifications:

Data/UI element	Data considerations	Behavior considerations
Live financial market module	CardView	On users click, re-directs to the CNBC live market page.

TEST PLANS
AND
TEST CASES:

For Login:

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC0-000	App installation to launch screen		1	Install the app and launch the app on the device for the first time.	A splash screen must be displayed and then the dashboard must be opened.	Same as Expected result.
TC0.1-00.1	Log in on launch screen	App is installed.	2	Launch the app	Application launch page is shown	Same as expected result.
			3	After the splash screen, the Login scren will Appear after 4 seconds.	Login module shown	Same as expected result.

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC0.2-00.2	Log in	App is installed.	4	Log in button is displayed.	The login button when clicked it redirects to the dashboard screen under v alidation. After the details are filled.	Same as expected result.
	Enter			Enter button is displayed.	The enter button when Clicked directly redirects it to the dashboard screen (for temporary purpose)	Same as Expected Result.

For Dashboard:

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC1-001	App installation to launch screen		1	Install the app and launch the app on the device for the first time.	A splash screen must be displayed and then the dashboard must be opened.	Same as Expected result.
TC2-002	Dashboard on launch screen	App is installed	1	Launch the app	Application launch page is shown	Same as expected result.
			2	After the splash screen, the dashboard will appears after 4 seconds	Dashboard is shown	Same as expected result.

FOR EMI CALCULATOR:

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP#	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC3-003	Emi calculator	App is installed	1	Launch the app	Application launch page is shown	Same as expected result.
			2	Dashboard opens	Dashboard is shown	Same as expected result.
			3	Emi calculator module opens	Emi calculator appears on the screen.	Same as expected result.
TC3.1-003.1	Amount Interest Tenure	App is installed, Emi calculator module is clicked.	4	Amount field is displayed. Interest(%) field is displayed. Tenure(years) field is displayed	Amount field is entered. Interest(%) field is entered Tenure(years) field is entered	Same as expected result.

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC3.2-003.2	Reset calculate	App is installed, Emi calculator module is clicked.	5	Reset button is displayed. Calculate button is displayed.	The reset button when clicked refreshes all the details filled. The calculate button when filled computes the EMI result.	Same as expected result.

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC3.3-003.3	EMI	App is installed, Emi calculator module is clicked.	6	The EMI has the default value as 0.00 displayed.	The EMI(i.e. equated monthly installment) is displayed as per the details entered.	Same as expected result.
	Total interest			The Total interest has the default value as 0.00 displayed.	The total interest is displayed as per the details entered.	Same as expected result.
	Total payable			The Total payable has the default value as 0.00 displayed.	The total interest is displayed as per the details entered.	Same as expected result.

FOR LOAN COMAPARE:

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC4-004	Loan compare	App is installed	1	Launch the app	Application launch page is shown	Same as expected result.
			2	Dashboard opens	Dashboard is shown	Same as expected result.
			3	Loan compare calculator opens	Loan compare calculator appears on the screen.	Same as expected result.

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC4.1-004.1	Principal amount ($) Interest. Loan tenure.	App is installed. Loan compare module is clicked.	4	Principal Amount($) field is displayed Interest(monthly %) field is displayed. Loan Tenure (year)field is displayed.	Principal Amount($) field is entered. Interest (monthly %) field is entered. Tenure(years) field is entered.	Same as expected result.
TC4.2-004.2	Reset calculate	App is installed.	5	Reset button is displayed. Calculate button is displayed.	The reset button when clicked refreshes all the details filled. The calculate button when filled computes the comparison of 2 loan results	Same as expected result.

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC4.3-004.3	EMI(monthly payment).	App is installed, Loan compare calculator module is clicked All the previous Details must be filled.	6	The EMI has the default value as 0.00 displayed for 2 different types of loans.	The EMI(i.e. equated monthly installment) is displayed as per the details entered for 2 loans.	Same as expected result.
	Total interest			The Total interest has the default value as 0.00 displayed for 2 different types of loans.	The total interest is displayed as per the details entered for 2 loans.	Same as expected result.
	Total payable (principle+ interest)			The Total payable has the default value as 0.00 displayed for 2 different types of loans.	The total payable is displayed as per the details entered for 2 loans.	Same as expected result.

FOR WEALTH ANALYSIS:

TEST CASE#	DESRIPTION	PRECAUTIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC5-005	Wealth analysis	App is installed. Wealth analysis module is clicked.	1	Launch the app	Application launch page is Shown.	Same as expected result.
			2	Dashboard opens	Dashboard is shown.	Same as expected result.
			3	Wealth analysis module opens.	Wealth analysis module is shown.	Same as expected result.
TC5.1-005.1	Salary expenses		4		The salary field is shown as entered. The salary field is shown as entered.	Same as expected result.

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP#	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC5.2-005.2	calculate		5	The Calculate button is displayed.	The cash, savings, total cash fields are displayed accordingly.	Same as expected result.
TC5.3-005.3	FD (fixed deposit)		6	The FD checkbox is displayed.	The tenure, monthly deposit and returns(%) is entered.	Same as expected result.
TC5.4-005.4	RD (recurring deposit)		7	The RD checkbox is displayed.	The tenure, monthly deposit and returns(%) is shown as entered.	Same as expected result.

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC5.5-TC5.5	Invested amount. Total interest. Returns.		8		Invested amount is shown as entered. Total interest is shown as entered. Returns is shown as entered.	Same as expected result.

FOR FINANCIAL GOALS:

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6-006	Financial goals	App is installed	1	Launch the app	Application launch page is shown.	Same as expected result.
			2	Dashboard opens	Dashboard is shown.	Same as expected result.
			3	Financial goal module opens containing sub-modules: Retirement plan. Children marriage. Plan a house. Financial target.	Financial goal module is shown.	Same as expected result.

FOR RETIREMENT PLAN:

TEST CASE #	DESRIPTION	PRE-CONDITION	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.1-006.1	Retirement plan.	App is installed. Financial goals module is clicked.	4	Retirement plan module opens.	Retirement plan module is shown.	Same as expected result.
TC6.11-006.11	Current age. Retirement age. Monthly expenses after retirement.	App is installed. Financial goals module is clicked, retirement plan module is clicked.	4.1	Current age field is displayed. Retirement age field is displayed. Monthly expenses after retirement is displayed.	Current age field is shown as entered. Retirement age field is shown as entered. Monthly expenses after retirement is shown as entered.	Same as expected result.

TEST CASE#	DESRIPTION	PRE-CONDITION	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.12-0 06.12	Go		4.2	The go button is displayed.	When clicked, it displays the amount required in total in order to live the desired lifestyle accommodating the monthly expenses required after retirement altogether.	Same as expected result.
TC6.13-0 06.13	Next		4.3	The next button is displayed.	When clicked, it displays the amount showing the monthly investment in order to make that much of desired amount with the help of pie chart as well.	Same as expected result.

FOR PLAN A HOUSE:

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.2-006.2	Plan a house	App is installed. Financial goals module is clicked, plan a house module is clicked.	5	Plan a house module opens.	Plan a house module is shown.	Same as expected result.
TC6.21-009.21	Apartment price		5.1	Apartment price field is displayed.	Apartment price field is shown as entered.	Same as expected result.
TC6.22-006.22	Down payment		5.2	Down payment field is displayed.	Down payment field is shown as entered.	Same as expected result.

TEST CASE #	DESRIPTION	PRE-CONDITION	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.23-006.23	In how many years you want to buy the house?		5.3	In how many years you want to buy a house field is displayed.	In how many years to buy a house field is shown as entered.	Same as expected result.
TC6.24-006.24	Ok		5.4	Ok button is displayed.	When it is clicked, it displays the monthly investment needed to make that threshold of down payment.	Same as expected result.
TC6.25-006.25	Calculate EMI		5.5	Calculate EMI button is displayed	When it is clicked, the rate of interest field(%),duration(year),and the rest amount excluding the down payment is displayed and shown as entered.	Same as expected result.
TC6.26-006.26	Calculate		5.6	Calculate button is displayed.	When it is clicked, it displays the monthly amount that is needed to invest (i.e. emi) after computation.	Same as expected result.

For FINANCIAL TARGET

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.3-0 06.3	Financial target	App is installed. Financial goals module is clicked, financial target module is clicked.	6.1	Financial target module is displayed.	Financial target module is shown as entered.	Same as expected result.
TC6.31-006.31	Target		6.2	Target field is displayed.	Target field is shown as entered.	Same as expected result.
TC6.32-006.32	In how many years you want to a chieve this target?		6.3	In how many years you want to achieve this target? Field is displayed.	In how many years you want to achieve this target? Field is shown as entered.	Same as expected result.
TC6.33-006.33	Ok		6.4	Ok button is displayed.	When clicked, i t displays three schemes giving different returns respectively.	Same as expected result.

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC6.34-006.34	Start invest		6.5	Start invest button is displayed.	When clicked, it displays the amount that is to be invested monthly according to the Returns given by various schemes and also redirects to that particular scheme's website.	Same as expected result.

FOR SYSTEMATIC INVESTMENT PLANNING:

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC7-007	Systematic investment planning.	App is installed. Systematic investment planning module is clicked.	1	Launch the app		Same as expected result.
			2	Dashboard opens		Same as expected result.
			3	Systematic investment planning module opens.		Same as expected result.

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC7.1-007.1	Monthly deposit. Expected yearly return(%). Period(min 1 year for wealth creation).		4	Principal Amount ($) field is displayed. Interest(monthly %) field is displayed. Loan Tenure (year)field is displayed.		Same as expected result.
TC7.2-07.2	Reset. Calculate.		5	Reset button is displayed. Calculate button is displayed.		Same as expected result.

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC7.3-07.3	Expected amount.	App is installed, Systematic investment planning calculator module is clicked. All the previous Details must be filled.	6	The expected amount has the default value as 0.00 displayed.	The expected amount is displayed as per the details entered.	Same as expected result.
	Amount invested			The amount invested has the default value as 0.00 displayed.	The expected amount is displayed as per the details entered.	Same as expected result.
	Wealth gain			The wealth gain has the default value as 0.00 displayed.	The wealth gain is displayed as per the details entered.	Same as expected result.

FOR FIXED DEPOSIT:

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC8-008	Fixed deposit	App is installed. Fixed deposit module is clicked.	1	Launch the app		Same as expected result.
			2	Dashboard opens		Same as expected result.
			3	Fixed deposit module opens.		Same as expected result.
TC8.1-008.1	Total deposit Rate of interest(%) Tenure(year)		4	Total deposit field is displayed. Rate of interest(%) field is displayed. Loan Tenure(year)field is displayed.		Same as expected result.

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC8.2-008.2	Reset.		5	Reset button is displayed.	The reset button when clicked refreshes all the details filled.	Same as expected result.
	Calculate.			Calculate button is displayed.	The calculate button when filled computes the fixed deposit result.	

FOR RECURRING DEPOSIT:

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUALU RESULT
TC9-009	Recurring deposit	App is installed. Recurring deposit module is clicked.	1	Launch the app	Application launch page is shown.	Same as expected result.
			2	Dashboard opens	Dashboard is shown.	Same as expected result.
			3	Recurring deposit module opens.	Recurring deposit module is shown.	Same as expected result.
TC9.1-009.1	Monthly deposit Amount Rate of interest(%) Tenure(year)		4	Monthly deposit Amount. field is displayed. Rate of interest(%) field is displayed. Tenure(year)field is displayed.	Monthly deposit Amount. field is entered. Rate of interest(%) field is entered. Tenure(year) field is entered.	Same as expected result.

FINANCIAL PLANNER

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC9.2-009.2	Reset.		5	Reset button is displayed.	The reset button when clicked refreshes all the details filled.	Same as expected result.
	Calculate.			Calculate button is displayed.	The calculate button when filled computes the recurring deposit result.	

FOR INVESTMENT IDEAS:

TEST CASE #	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC10-010	Investment ideas.	App is installed. Investment ideas module is clicked.	1	Launch the app	Application launch page is shown.	Same as expected result.
			2	Dashboard opens	Dashboard is shown.	Same as expected result.
			3	Investment ideas module opens.	Investment ideas module redirects to www.businesstoday.com	Same as expected result.

FOR LIVE FINANCIAL MARKET:

TEST CASE#	DESRIPTION	PRE-CONDITIONS	STEP #	TEST SCENARIOS	EXPECTED RESULT	ACTUAL RESULT
TC11-011	Live financial Market.	App is installed. Live financial market module is clicked.	1	Launch the app	Application launch page is shown	Same as expected result.
			2	Application launch page is Shown.	Dashboard is shown.	Same as expected result.
			3	Live financial market (CNBC live market website) is opened.	Live financial market (CNBC live market website) is shown.	Same as expected result.

PROPOSED ENHANCEMENTS:

➢ There can be various features further added in order to facilitate the users in a more convenient manner. The following things can be added such as:

- Data Storage:
    - Firebase database , to store each and every detail of every module of a particular user.
- The daily expenses planner:
    - Where we can analyze, monitor, track the daily expenses that are inco ming and outgoing for proper saving purpose and to reduce or cut off the unnecessary purchases. where we can include various categories as such as outings, food etc on which most of the money is usually spent on regular basis.
- FAQ's :
    - An information section or a FAQ's section in order to assist the users in a convenient manner and to provide answers to their frequently asked questions.

By this it can be made more interactive, more user-friendly and fulfills the need of users in the best possible manner.

CONCLUSION

- This project is developed to nurture the needs of a user in a financial background by embedding all the tasks of various factors in accordance with the wealth in different categories. Future version of this project will still be much enhanced than the current version.

- The financial planner is an innovative tool that is fast becoming a necessity. Certain deep insights:
  - Its needed to organize the finances effectively for assisting us in leading a bright and a better future.
  - A financial planning is long-term, continuous and a dynamic process. You must plan well in order to combat the unnatural events and to achieve the goals. To be able secure yourself in various situations, different life-stages and make changes based upon the market conditions and as well as in terms of your needs and requirements to come in line with your financial planning for achieving the financial goals.
  - This app helps in calculating the finances in an effective manner by saving from the tedious mathematical calculations and by giving accurate results in no time.

- Thus the Financial planner mobile application is developed and executed successfully.

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- https://www.tutorialspoint.com/
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- https://stackoverflow.com/
- https://www.paisabazaar.com
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- https://www.icicibank.com

Books :

- IEC financial planning