**Richie Rich Calculator**

Design a basic frontend that will contain the following elements.

1. 2 Input boxes

Image Display

Future Value

Rs. 10,000

5

2

Monthly Contribution

Rs. 14,70,000

Save

1. 2 Drop down
2. 1 Image Display Section
3. 1 Save Button
4. Set of 4 Images Bike, Car, Home, Gold

No. of Years

Risk Level

Here is how you will help people become rich.

**Parameters**

The input fields for the user would be all the 4 fields i.e.

* Monthly Contribution
* No. of Years
* Risk Level
* Future Value

**Parameters Description**

1. Monthly contribution is the monthly investment feasible and minimum value it can take is Rs.1000.
2. Number of years will be between 5 and 20.
3. The Risk Level will be a drop down which will determine the Rate of Return Annually i.e

* Risk Level 1: 8% Return
* Risk Level 2: 10% Return
* Risk Level 3: 12% Return
* Risk Level 4: 14% Return

1. Future Value is the value of investment made monthly for the number of years selected for returns based on risk level selected.

**Deliverable 1**

Now consider the below mentioned scenarios on how the system should work.

|  |  |  |
| --- | --- | --- |
| Scenario | Inputs | Output |
| 1 | Risk Level, Number of Years, Monthly contribution | Future Value |
| 2 | Risk Level, Number of Years,  Future Value | Monthly contribution |

Here comes the trick. What if User needs or wants more or less than what he sees as result? In that case user gets to change the value in Future Value box. Now if future value changes monthly contribution also should change. Thus these two should happen simultaneously i.e. if the user change monthly contribution then future value changes and vice versa.

**Deliverable 2**

Now that the user is able to see how his/her money grew, what if we suggest what he/she can do with it. Thus the Future value should be divided into slabs of

* < 2 Lakhs
* 2 Lakhs to 12Lakhs
* 12 Lakh to 30 Lakhs
* >30 Lakhs

When Future Value is within a particular slab display the respective images of Bike, Car, Gold, House respectively and all should happen simultaneously.

**\*\* There should not be any Submit Button to Calculate everything should work simultaneously.**

**Deliverable 3**

Now user would want to save the calculator. Thus as a last step when user clicks on Save then, based on your convenience either give a pop up or a Text box asking for the Name of the Calculator. So after naming when user submits. The data should get saved in a Text file or a Log File in form of

[{

GoalName:<<Name of Goal>>,

MonthlyContribution:<<Monthly Contribution Value>>,

NoOfYears:<<Number of Years>>,

RiskLevel:<<Selected Risk Level>>,

FutureValue:<<Future Value>>

}]