Naveena Varna

Retirement Planning Calculator

Graphical User Interface Design

Contents

Introduction:	3
Personal Calculator:	4
User Input form:	5
Result:	6
What-If functionality:	6
Print Button functionality:	7
Professional Calculator:	8
User Input form:	9
Info Icon functionality:	10
Reset and Calculate Buttons:	10
Result:	11
Info Icon functionality in the Result:	12
What-If functionality:	15
Print Button functionality:	16

Retirement Planning Calculator

Introduction:

The goal of the project is to create an application that allows the user to easily access the application and to get a better understandable result. I designed two application for two different sets of groups.

- Personal Calculator for personal use
- Professional Calculator for financial advisors

Usability Attributes

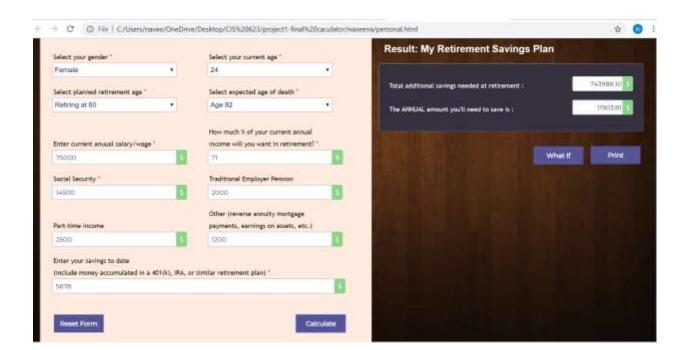
Some of the features that I thought would be helpful for the user are:

- **Drop downs**: This helps the user to easily pick the right values from the drop down instead of typing it.
- **Auto calculation**: For some of the fields, I auto populated the values based on user input values. Though it is auto populated the user can still change the values if needed.
- **Info Icons:** An Info icon is added on the top right corner for some of the fields, I thought this would be useful for the user if the user does not know that values to provide in the field, this is more like an informational icon. The user can click on the icon to see the additional information.
- Mandatory fields: As there are multiple fields in the form, I thought it would be useful to indicate which fields are required to see the result, this would help the user to correctly input the values before clicking the calculate button.

One of the design decisions that I thought would be helpful is having the form and the result on the same page, that way the user can input the values and can quickly find out the results, also having the info icon on the right corner is one other thing that I thought would be useful.

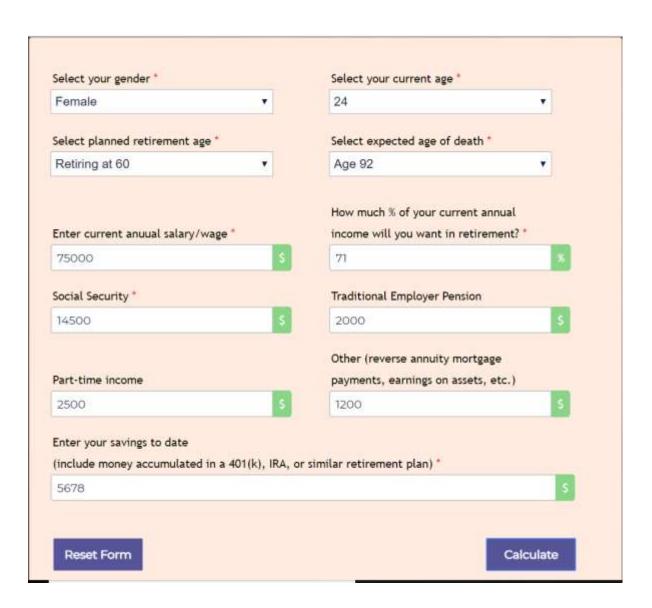
Personal Calculator:

Below is the overview of the Personal Calculator application. The left side of the application is the user input form and the right side is the result that gets generated based on the user values.



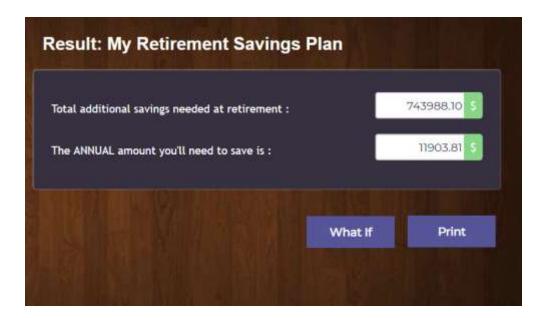
User Input form:

In the below form, the user can select and enter the values. For some of the fields, I created a drop down so that the user can easily select from the list and for some of the fields like Social Security I created a functionality so that it gets auto populated when the user enters the annual salary. Though its auto populated the user can still change the value if needed.



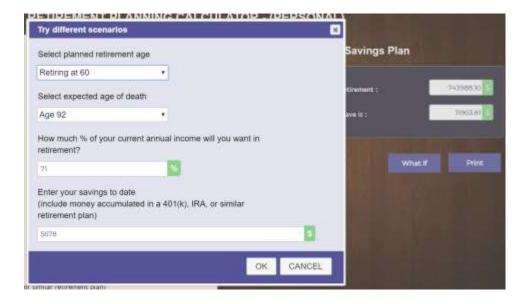
Result:

On the right side of the application, we have the result, the values in the fields are non editable and are populated based on user input values.



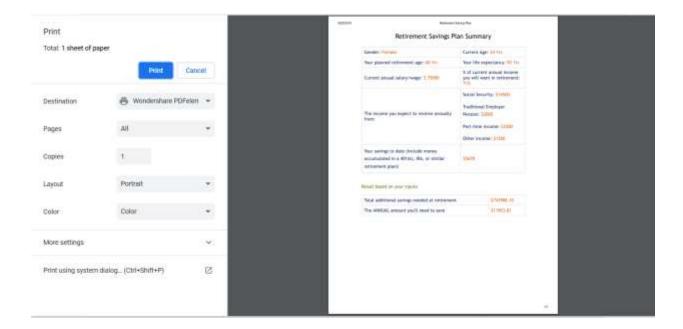
What-If functionality:

I added functionality for "What-if" button, a pop up is displayed when the user clicks the "What-if" button, the user can quickly change one/more values and click "OK" button, the application would calculate the new values based on the changes and populated the result fields. The Application would take the user on the same page as they started with. This way the use can easily change the values without resetting the input form values.



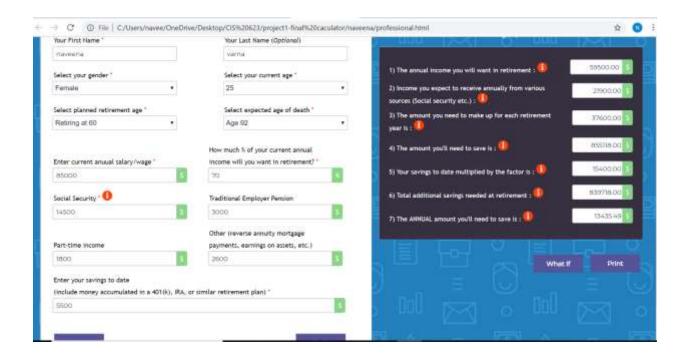
Print Button functionality:

When the user clicks on the "Print" button, the application would pop up a new window and allows the user to print the form.

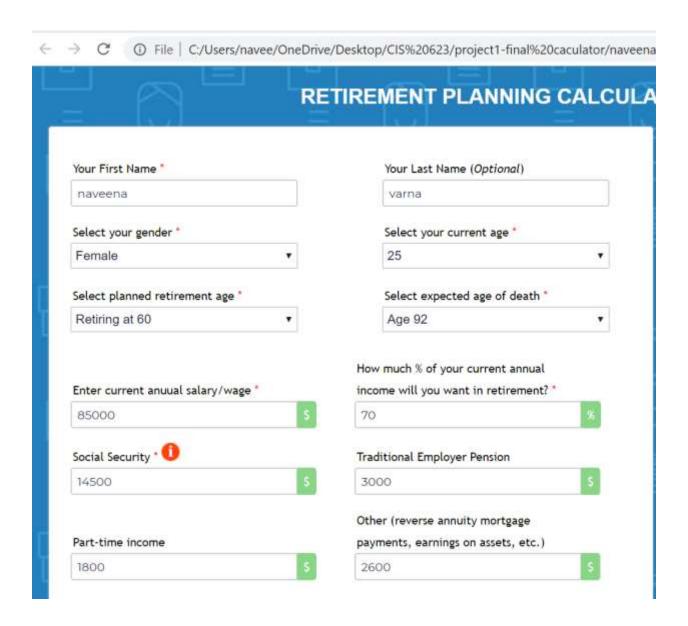


Professional Calculator:

As the professional calculator is designed for the financial advisors, there are few additional fields that are added to the input form and result. Also, an info icon is added for some of the fields to help the financial advisors to understand how the values are calculated, in some cases the info icon is added as addition information.

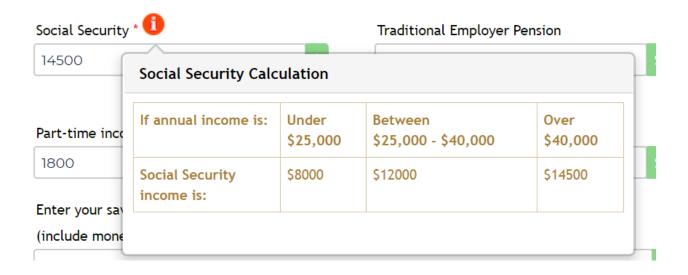


User Input form:



Info Icon functionality:

The info Icon on the top right corner of the fields would provide additional information, the user can click on the icon to see the info and when the user clicks on any place of the application the info message disappears.



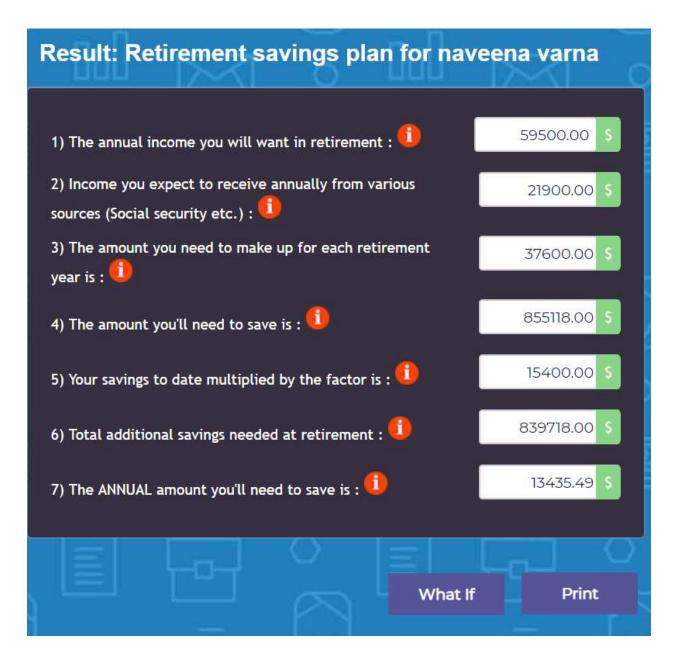
Reset and Calculate Buttons:

A "Reset Form" button is provided on the bottom left side of the form, this allows the user to clear out the input values. "Calculate" button is provided in the form so that the user can provide the input values and upon clicking the button the application calculates and populates the value in the result fields.

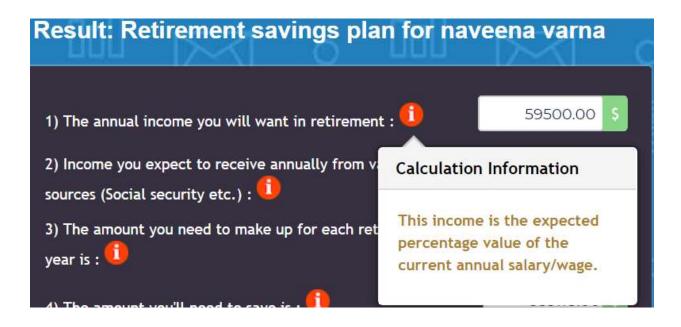
Enter your savings to date (include money accumulated in a 401(k), IRA, or similar	r retirement plan) *
5500	\$
Reset Form	Calculate

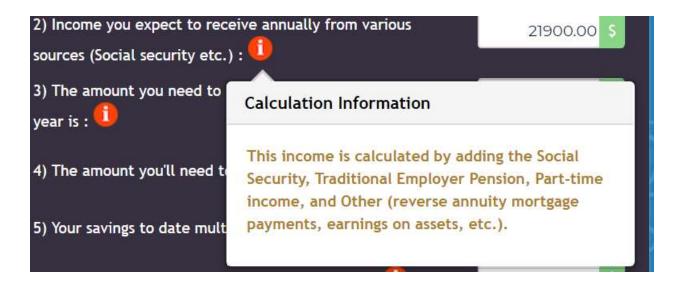
Result:

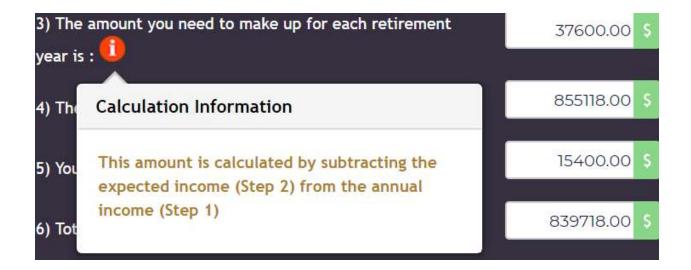
As the application is designed for the financial advisors, there are additional fields added in the result section, each of the fields have info icon so that the user can understand how the values are populated.



Info Icon functionality in the Result:

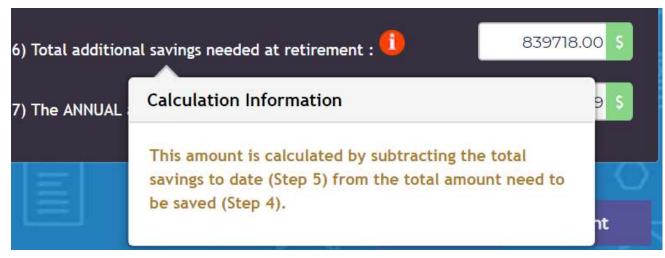


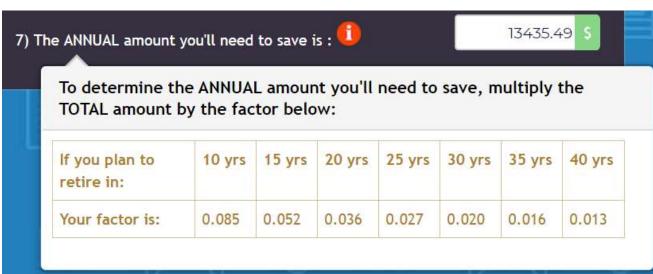




To determine the amount you'll need to make up by the factor		save, mult	iply the a	mount y
Choose your factor based on life expectancy	55 yrs	60 yrs	65 yrs	70 yrs
Male, 50th percentile (age 82)	18.79	16.31	13.45	10.15
Female, 50th percentile (age 86)	20.53	18.32	15.77	12.83
Male, 75th percentile (age 89)	21.71	19.68	17.35	14.65
Female, 75th percentile (age 92)	22.79	20.93	18.79	16.31
Male, 90th percentile (age 94)	23.46	21.71	19.68	17.35
Female, 90th percentile (age 97)	24.40	22.79	20.93	18.79

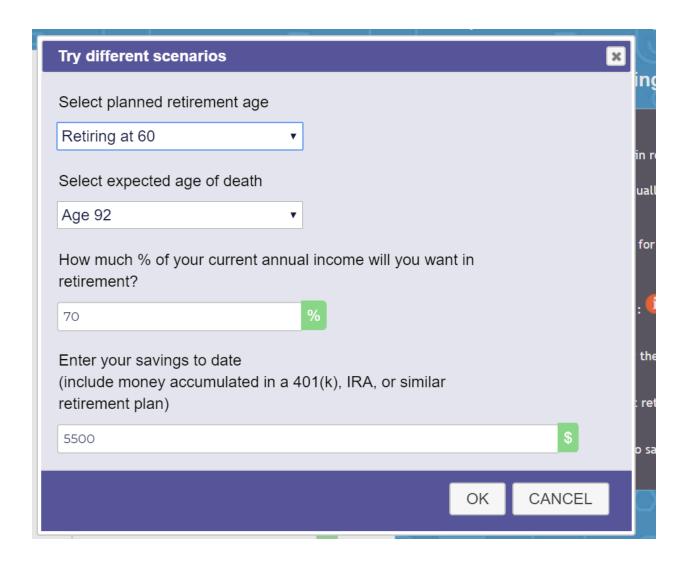






What-If functionality:

When the user clicks on the "What-If" button, a pop-up is displayed, the user can change one/more values, upon clicking 'OK' button the application would re-generate the result values and takes the user to the same page.



Print Button functionality:

"Print" button option is provided for the user to print the input and result values.

