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COHESIVE App

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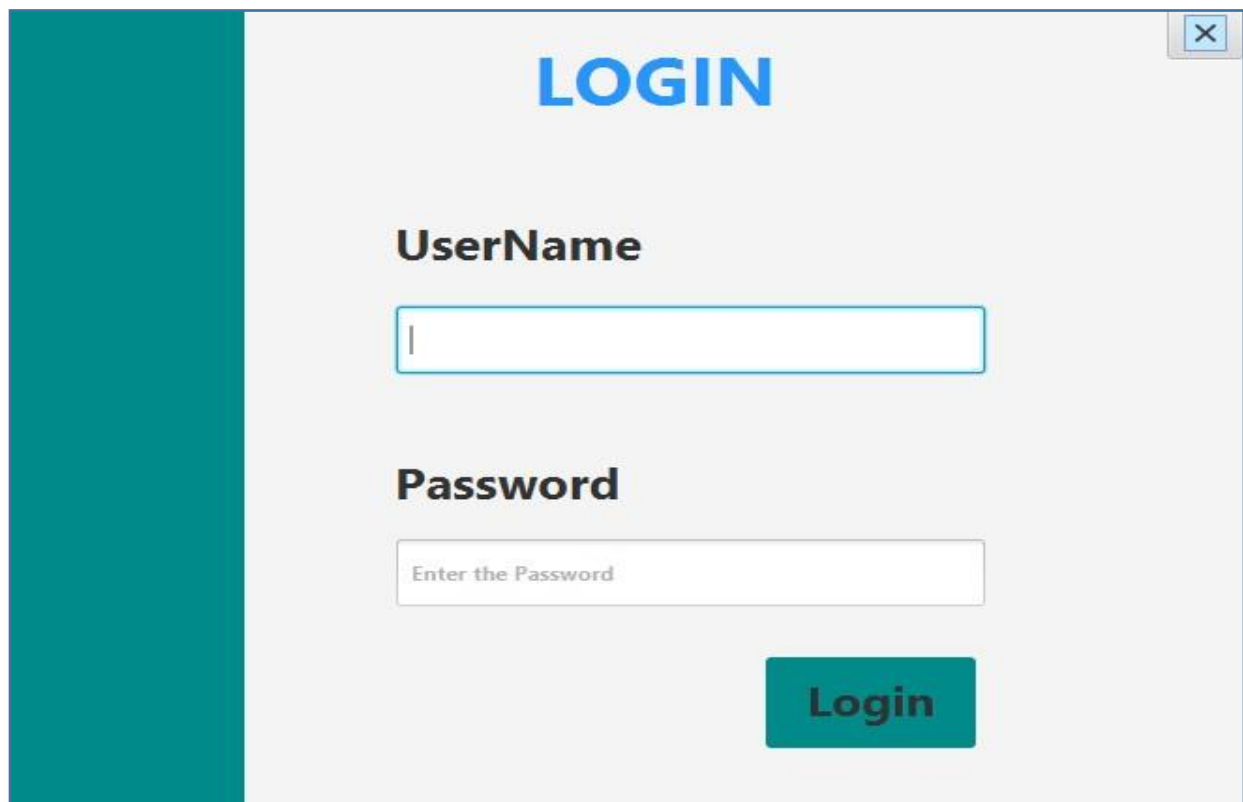The Best way To Gain Something Is To Begin.

Cohesive App

Imagine doing last minute calculations and you have to search for small things, instead of searching for the small handy applications every time what if an app had all of them together for easier access in the time of need? From that thought we designed the Cohesive App. It is a student friendly app that helps in studying and to keep track of things in order to organize.

We have used JavaFX, MySQL database and NetBeans IDE to develop this application which consists a list of handy apps such as a calculator, converter, calendar, event-planner and stopwatch. The App registers different person's data for different people to login and have separate accounts.

Feature List with Details:

Upon running the application this is the first user interface that is shown to the users featuring our title and giving them options to sign in, sign up or exit the application.
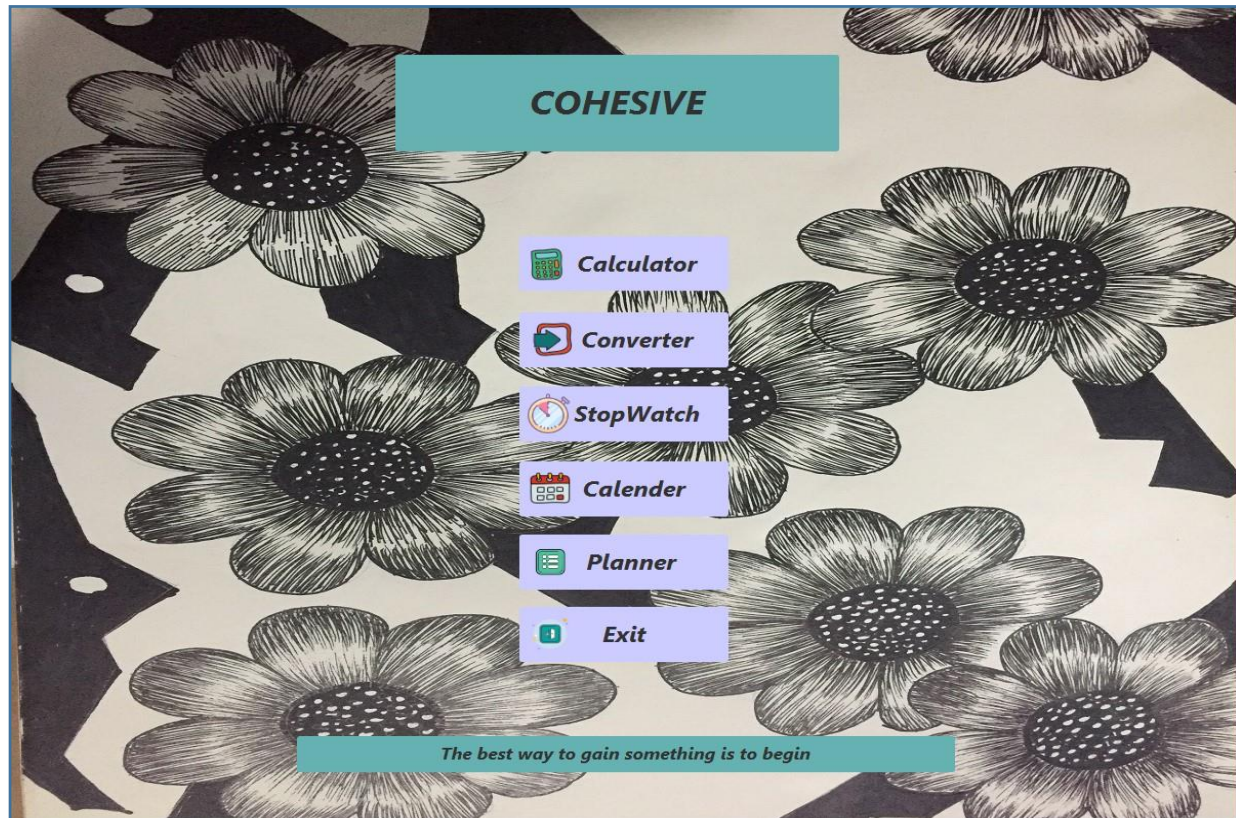
If the user already has an account, he/she may login with entering user name and password.
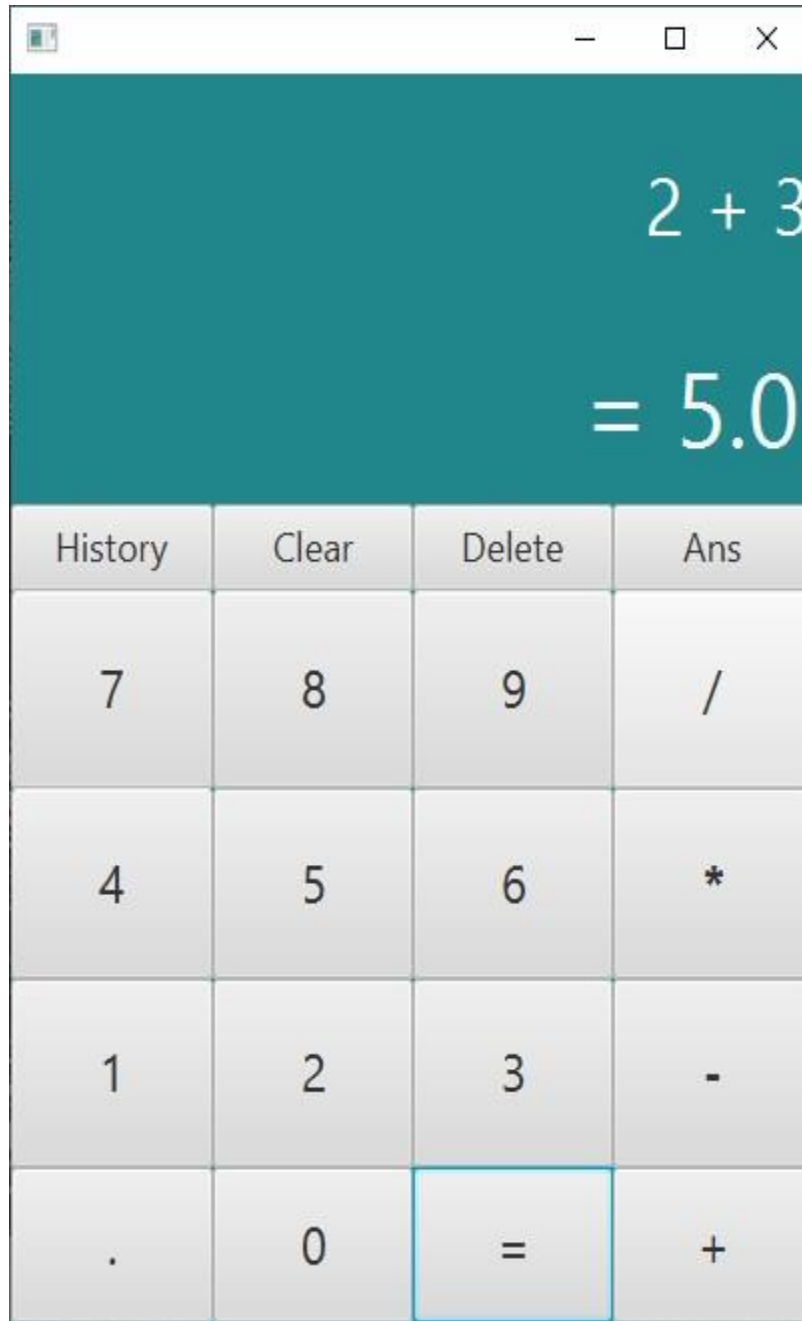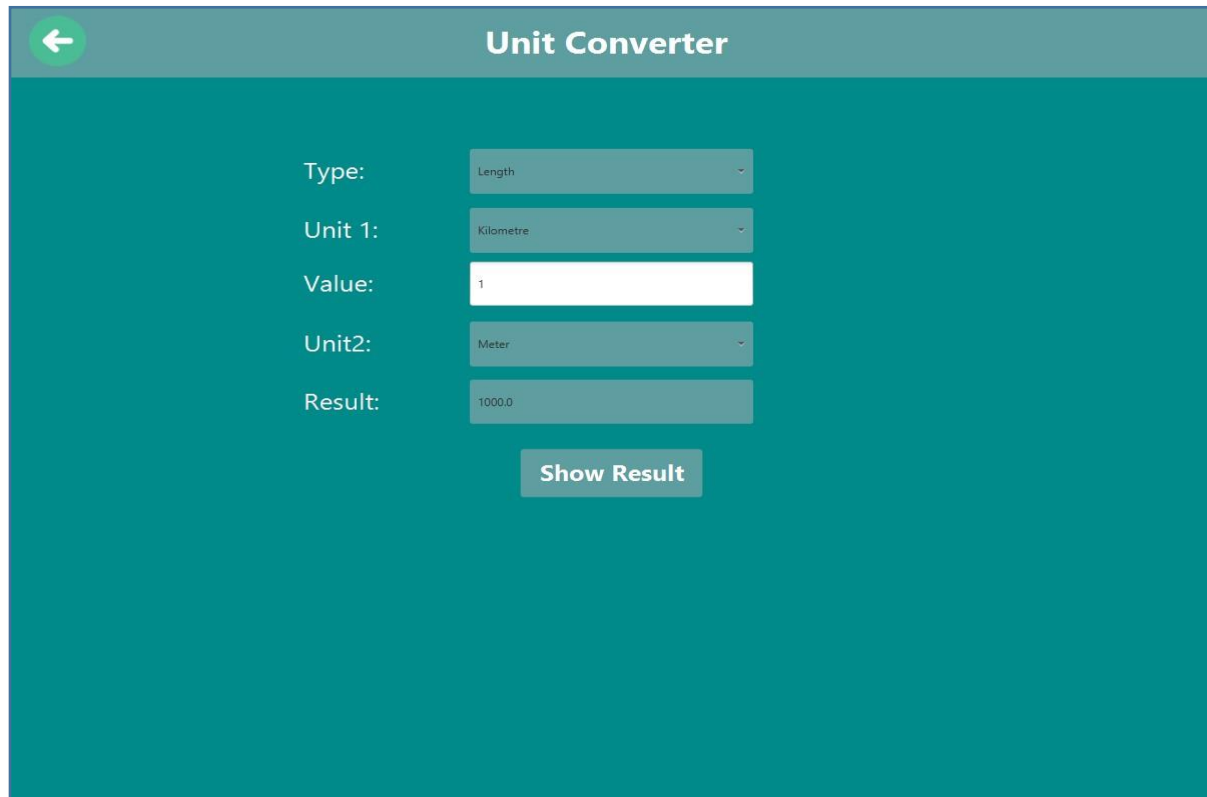
If the user does not have an account, then he/she may fill in this simple register form to create an account and work further. This will create separate account for several users to use the application.

This is the main screen of our application where all the small handy applications (calculator, converter, stop watch, calendar, planner) are listed and all of them are easily accessible.

			2 + 3
			= 5.0
History	Clear	Delete	Ans
7	8	9	/
4	5	6	*
1	2	3	-
.	0	=	+

The very first app is the Calculator. This has the basic features of a normal calculator and can perform the basic calculations like addition, subtraction, multiplication and division. The result is shown in doubles when equals button is pushed and saved in ans. Clear button refreshes all previous calculations and delete button deletes input numbers one by one and history saves the calculation history.
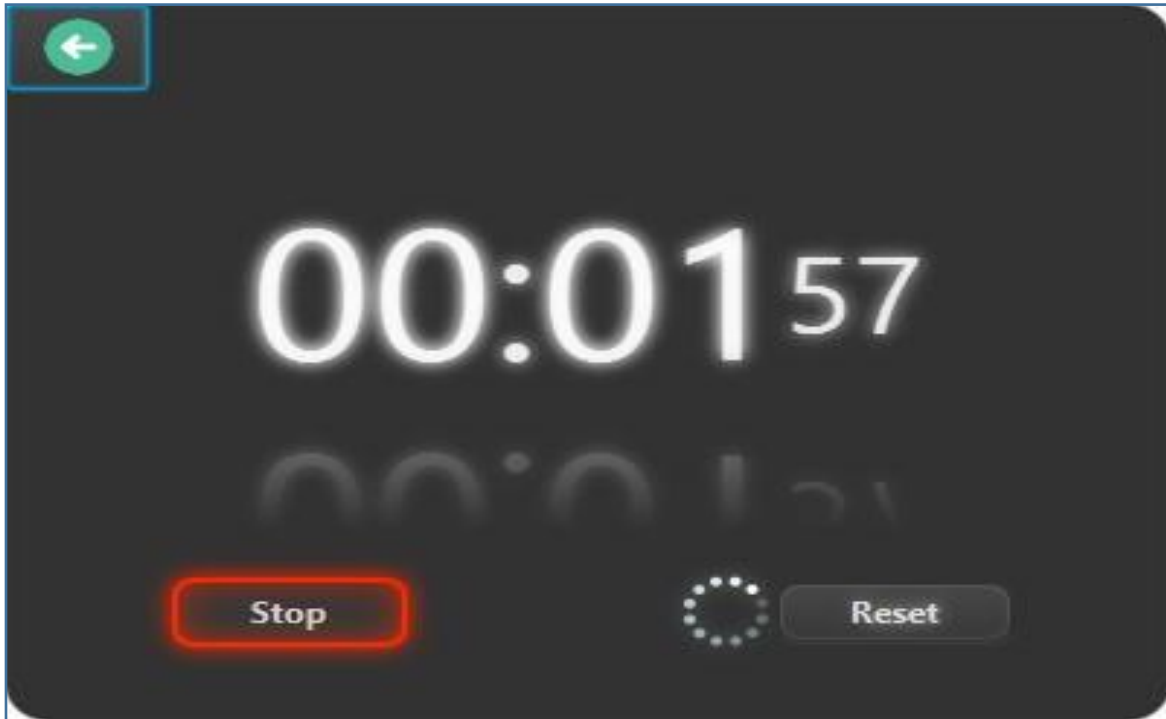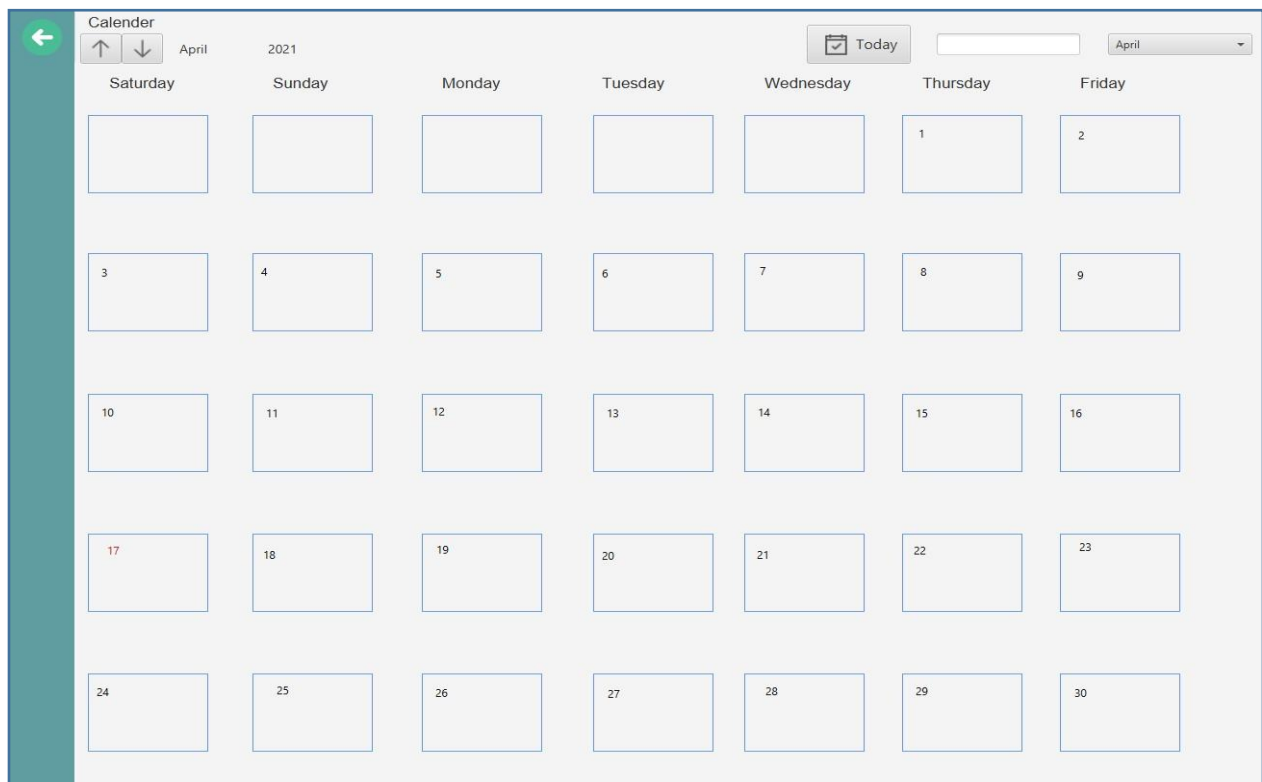
Unit Converter

Type: Length

Unit 1: Kilometre

Value: 1

Unit2: Meter

Result: 1000.0

Show Result

Our second creation is converter. In this converter we gave many features so that we can convert to any unit form any unit. We can convert to length, area, weight, volume, time, speed and temperature just by selecting and entering the value which we want to convert.

Next comes the stop watch. This helps to keep the record of time and the records of it are saved and there is reset feature to restart the watch.

The Calendar is one of the most important app to keep track of day and date. This shows the current date and day which is synced with our database and the user can move to different dates according to months.

Lastly on the list, comes the event planner. We can write down our daily activities and what we want to do. If our planning is done, half of our work is done. By selecting the date, adding a brief description to the box on right and pressing 'Add Event' we add an event to list. This data is also saved in databases so that the user can keep track of the plans made or goals set to do.

Since we had inadequate amount of time to develop this project our future plans for this are firstly develop the current apps and add more feature to them. Secondly, add more small applications to make the cohesive app more efficient and interactive friendly. Thirdly, sync all the data from the apps with database properly so that anyone's progress is saved. And lastly, to make this desktop app also available as a mobile app.

In the end we would like to improve the cohesive app, taking more suggestions from students as they are the targeted audience for it making it an important

studying tool kit. We think it's a hortatory app for them which will be their concomitant in good way.