

CSE498R  
Spring 2020

# WEEKLY REPORT

Week 01 (14 February - 20 February)

Ishtiak Ahmed

153 0494 042

Date: 21st February,2020

# DATA

Date	Today's Task	Tomorrow's Task	Roadblocks
14 <sup>th</sup> February, 2020	Today's task is to get familiar with the office protocols, needed software's, rules and regulations.	Tomorrows task is to get comfortable with my office supervisor and get instructions.	I Got familiar with the with the office, its rules and way of working, a lot of things were new to me.
15 <sup>th</sup> February, 2020	I have met my supervisor he gave me a clear understanding of what I have to do and what I need to learn which software's I need.	My next day task is to install all the needed software's and get familiar how they work.	I have to learn about a several software and a new language which is completely new and overwhelming to me.
16 <sup>th</sup> February, 2020	successfully installed android studio and created a virtual device	My next task is to implement flutter to android studio and install the plugins	Android studio is a very large application and requires a lot of computer configuration.
17 <sup>th</sup> February, 2020	I have implemented flutter platform with android studio and configured all the plug-in and I understood the workplace of flutter and how it creates the cross-platform applications	My next task is to learn about the language called Dart.	Implementing Flutter was a very hard task
18 <sup>th</sup> February, 2020	Took a short tutorial on flutter dart I learned the basic rules, syntax and the similarities and dissimilarities with other language and syntax	My next task will be to learn how to code in Dart language in the Flutter application.	Dart is similar to C language but it gets complicated with lots of class and widgets.

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# WEEKLY REPORT

Week 02 ( 22 February - 27 February )

Ishtiak Ahmed

153 0494 042

Date: 01st March,2020

# DATA

Date	Today's Task	Tomorrow's Task	Roadblocks
14 <sup>th</sup> February, 2020	I studied online tutorials and followed video tutorials and I gained have more clear understanding of Dart and how to use that on Flutter.	Tomorrows task is to follow some documents and tutorials on flutter and dart app development.	Learning a new language is a very big challenge. I having facing trouble remembering the syntax.
15 <sup>th</sup> February, 2020	I came across the parts and types of android app and their needed structure and I Got familiar with the android base widgets, classes and their use and importance.	My next day task is to learn about widgets and classes that are used in flutter.	In android it is all about widgets and class it's a bit tricky to understand.
16 <sup>th</sup> February, 2020	I studied the dart language and its importance on widgets and class derivation and these implementation on Flutter and I understood the workplace of flatter and how it creates the cross-platform applications.	My next task is to start making simple app with text lines.	How flutter uses those widgets to differentiate different parts of the application is confusing.
17 <sup>th</sup> February, 2020	I have created a very basic app with some texts and simulated on the virtual android device and I learned the initial way to create an app showing texts.	My next task is to learn making simple app with text lines and simple non-responsive buttons.	I did not understand a few header files properly.
18 <sup>th</sup> February, 2020	I have created a very basic app with some texts and simulated on the virtual android device and I learned the initial way to create an app showing texts and a floating button. I also learned how to add text inside a button.	My next task is to learn all about the scaffold widget and the child properties of the scaffold widget .	The process of adding buttons and insert text in nested type function was hard to understand.

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# WEEKLY REPORT

Week 03 ( 01 March - 05 March )

Ishtiak Ahmed

153 0494 042

( Date: 06th March,2020 )

# DATA

Date	Today's Task	Tomorrow's Task	Roadblocks
08 <sup>th</sup> March, 2020	Today I learned about the Scaffold widget and how to add children widget to it as text and buttons.	Next task is to Changing Colors of the app-bar, main window and buttons.	I found it very difficult differentiating between classes and widgets.
09 <sup>th</sup> March, 2020	I used the colors function for Adding colors on App bar, Background	The next day I will Work with Fonts and its properties.	I had problem Finding the exact color code and their compatibility.
10 <sup>th</sup> March, 2020	I used the fonts function for Changing the current font and adding custom fonts from the computer.	The next task is to get familiar with the Stateless Widget and its applications.	Adding a custom font was very difficult because of all the new location address and adding them on pubspec.yaml file.
11 <sup>th</sup> March, 2020	I declared a StatelessWidget Function called Home for Making home screen as a stateless widget.	My next task is to Add Background Images to the Home Screen.	I found it difficult to Understand Types of widgets regarding their responsiveness
12 <sup>th</sup> March, 2020	I learned how to change the background from white to an image from internet or image from local directories.	My next task is to learn about Icons, Buttons and to add actions.	For local images their name calling, location and addition in pubspec.yaml file

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# WEEKLY REPORT

Week 04 ( 08 March - 12 March )

Ishtiak Ahmed

153 0494 042

( Date: 14<sup>th</sup> March,2020 )

# DATA

Date	Today's Task	Tomorrow's Task	Roadblocks
08th March,2020	I learned all about icons, how to add different icons, changing colors.	Upcoming task is about learning all about buttons and adding on-pressed task.	I found difficulties finding exact names for predefined icons and I could not add custom icons.
09th March,2020	I learned everything about adding buttons and using icons as buttons. I also added the basic on-pressed action as increasing integers.	Next task is to learn about container widget.	I found it very difficult to use icons as buttons, there were so many widgets.
10th March,2020	I learned about the container widget, how to change color, text and add padding to its sides.	Next task is to learn about Row operations.	I found the measurements of add padding very confusing.
11th March,2020	Using a row, I learned how to have several buttons, containers and icons. I also learned to align them in the row. I also used the main-axis, and cross-axis alignment to align the row contents.	Next task is to learn about column operations.	Aligning the contents and adding padding to them was very confusing to measure.
12th March,2020	Using a column, I learned how to have several buttons, containers and icons. I also learned to align them in the column. I also used the main-axis, and cross-axis alignment to align the column contents.	Next task is to learn about using row and column operations together.	Aligning the contents and adding padding to them was very confusing to measure.



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# WEEKLY REPORT

Week 05 ( 15 March - 19 March )

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## DATA

This Week's Task	Next Week's Task	Roadblocks
<p>I have learned to create a complete app window. I have used the stateless widget to make the window. I have added a added a app bar with a title using the scaffold widget along with the AppBar as child widget. I have used Child text widget to add Text contents to the window. I have leraned to use the the text widgets nested in a Column operation. The column operation keeps the texts in line and organaized. I have also used many text style editing commands to change the outlooks of the texts. I have integrated Fontsize , Letterspacing , Colors in the Text widget as child widgets. All the texts are aligned along the axis.</p>	<p>In the next task I will create a app window with both column and row operation in one window. I will use not only the texts but also the buttons, icons, text blocks. I will also arrange the buttons with the texts.</p>	<p>Due to the corona virus situation lockdown is imposed. I am unable to attend my office hours. Working remotely and learning is very tough task. Its very difficult to maintain communication and learn along with the process. I have faced several problems creating the window because of poor communication.</p>

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# WEEKLY REPORT

Week 06 ( 22 March - 26 March )

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## DATA

This Week's Task	Next Week's Task	Roadblocks
<p>I have learned to create a complete app window with different rows and columns. I have used the stateless widget to make the window and added Row and Column option. I have added an app bar with a title using the scaffold widget along with the AppBar as child widget. I have added Flat buttons. I have learned to use the text widgets inside a Button. I have also used icons along text having textstyle editing commands to change the outlooks of the texts. I have managed the sizes and color of the box and the text colors inside them. I have used the mainAxisAlignment and crossAxisAlignment to align the buttons.</p>	<p>In the next task I will create a app window with images. I will learn to add background image. How to add logo image. I will learn how to crop and shape an image and show them with the names. How to add personal avatar or picture with texts.</p>	<p>Due to the corona virus situation lockdown is imposed. I am unable to attend my office hours. Working remotely and learning is very tough task. It is very difficult to maintain communication and learn along with the process. I have faced several problems creating the window because of poor communication. Using both row and column was very confusing. It took a lot of tome to arrange them.</p>

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# WEEKLY REPORT

Week 07 ( 29 March - 02 April )

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153 0494 042

## DATA

This Week's Task	Next Week's Task	Roadblocks
<p>I have learned to create a complete app window with images, texts and buttons. I have learned to edit the pubspec.yaml to make the app window compatible with images. I have also learned to add images in the assets folder so the the program can fetch the images if needed. I have added background image to my window. I have also learned how to add images in expected size over the text as logo. I have also created personal avatar in circular shape with the text with proper alignment and radius. I have used padding and padding:EdgeInsets.fromLTRB to add the image properly.</p>	<p>In the next task I will create a app window with the stateful widget. The stateful widget makes the app window interactive. This window with help to work with the value changing integers and will also be able to show the changed values as outputs.</p>	<p>Due to the corona virus situation lockdown is imposed. I am unable to attend my office hours. Working remotely and learning is very tough task. It was very difficult to maintain communication and learn along with the process. I have faced several problems creating the window because of poor communication. Setting the image in the right place was very hard. Measuring with pixels were very confusing to find the right placement.</p>

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# WEEKLY REPORT

Week 08 ( 05 April - 09 April )

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## DATA

This Week's Task	Roadblocks
<p>I have learned to create a complete app window with stateful widget. Stateful widget help to create an interactive window which can show changeable data inputs. I have added a button to the window with press capability in the OnPressed command option. I have also added a data field to show the integer. The newly added floating action button responses to a touch and increases the integer with one and instantly shows is the designated data field. I have also used nested child functions to add text and icon inside the button and change the background color of the button. I have used the setState widget so that the window refreshes the data every time the button is pressed. I have also added other parts such as an app bar with title, other texts in the main body to make the window better.</p>	<p>Due to the corona virus situation lockdown is imposed. I am unable to attend my office hours. Working remotely and learning is very tough task. It was very difficult to maintain communication and learn along with the process. The stateful widget was new and a bit different from stateless widget. The on-press action was not working normally, the integer was increasing but not showing the change. Then had to use the setState Widget to make the window dynamic to change.</p>