CEG4110 HW 2

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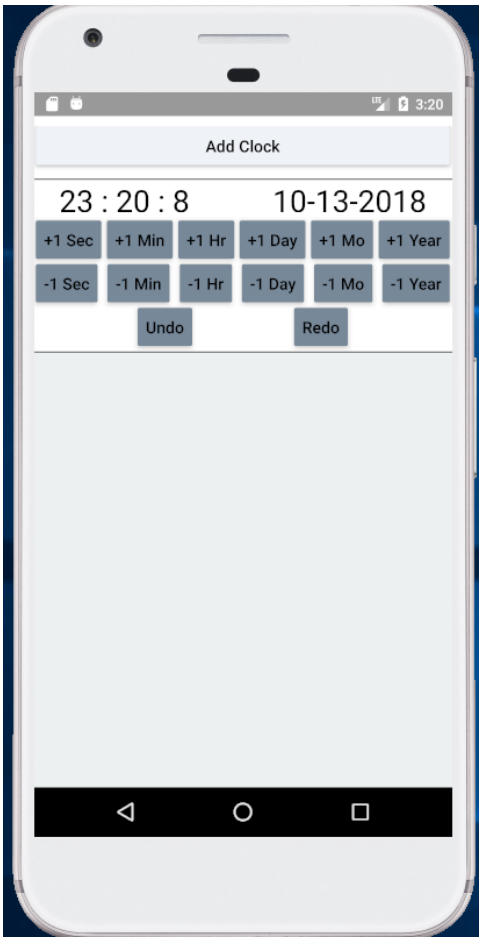
Screenshot of App in operation:



During the implementation of these design patterns I learned a lot about both the MVC and command design patterns. I understand the advantage of creating a separation between the data, logic, and views of an application, especially when using multiple views. Having a controller perform the logic means no code duplication and actions performed in a view won't affect other views. Implementation of these design patterns were unique because I made my app in a JavaScript environment using React Native. Implementation details such as the interface for the Command DP in Java does not translate as easily to JavaScript. However, the command pattern was actually quite simple to implement. Another unique detail of the creation of my app is the usage of state in React Native. In React Native changing the state of a class will dynamically change the view to reflect the state. When creating the digital clock, it was necessary to use the controller to update the View's state to display the time. The hurdle I was not able to get over was creating a list of multiple views. With the press of the "New Clock" button, a new Clock element should be added to a list of clock elements to add a new view. From there, the implementation of my design patterns should easily handle this clock object as its own unique element. However, I have been unable to make a displayable list of clock components.