

Software Architecture Document

Advisely, An Education Support Application

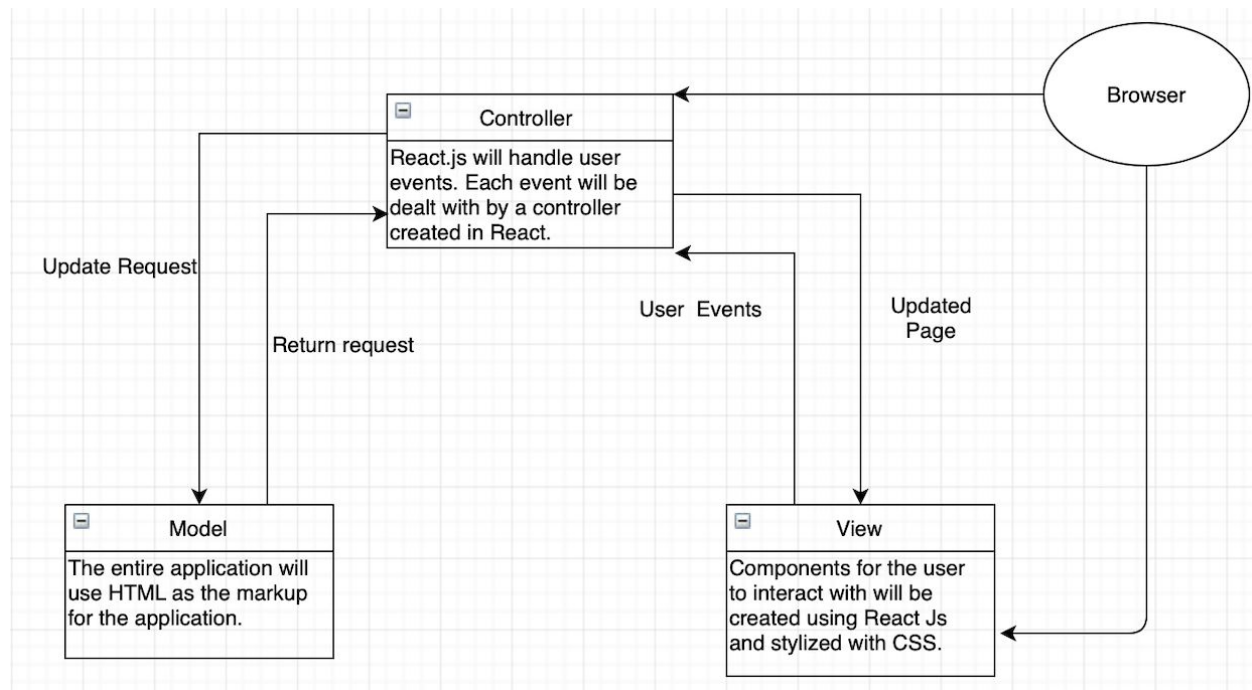
Big Muscle Boys

Sam Elliott, Jens Hansen, Connor Langlois, Eli Legere, Eric Schessler, Spencer Ward

COS 420 UMaine Spring 2019

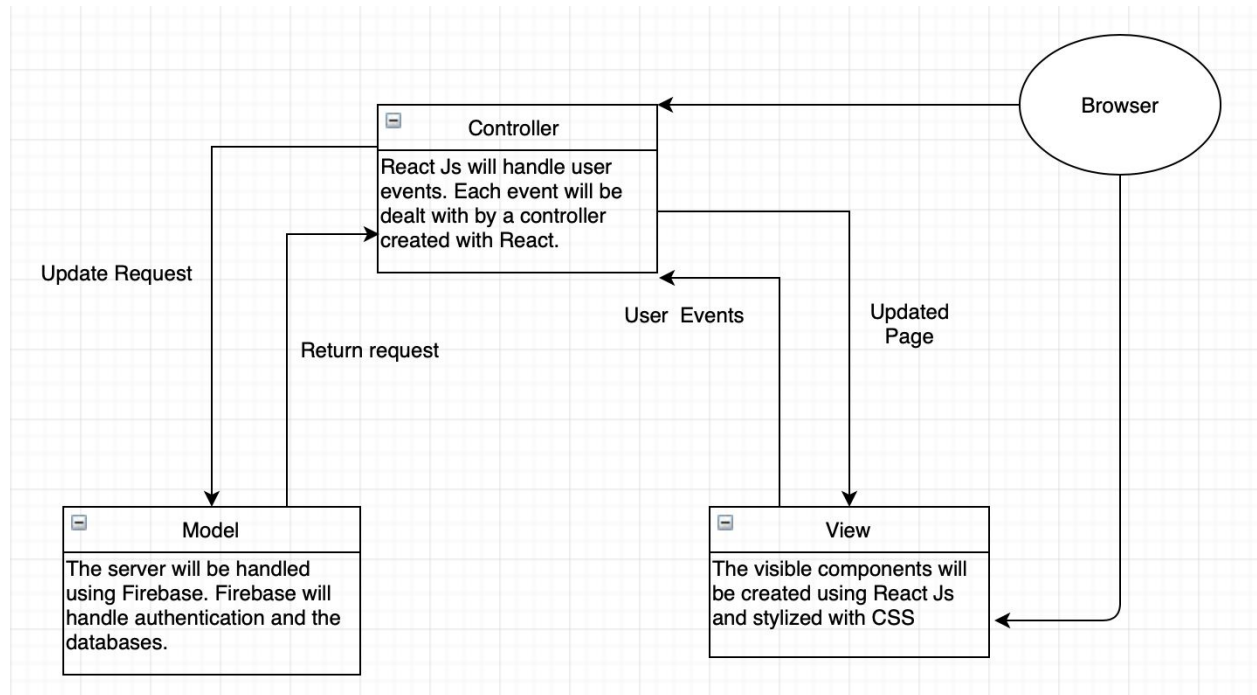
Professor: Sepideh Ghanavati

User-App interface using Model-View-Controller



Due to the very nature of React Js both the controller and the view will be created using React. Visible Components will be styled using CSS. Whereas the Model will be an HTML indexing page. The pattern we've chosen to adopt differs slightly from the traditional Model-View-Controller in that the model does not interact with the view. This is because all the visible components are handled with react. When the user needs to visit another page, the controller will find the needed page from model and then push that onto the Navigation Stack. When there is a user event that does not require going to another page, the controller itself will update the page with React.

Client-Server using Model View Controller



The Client Server architecture is very similar to the user app architecture. The pattern remains the same. However, the model - the server - is handled using Firebase. This pattern is when the user needs to do things that require the use of external information i.e. search for classes, update schedule, login. The view will still be managed with React and CSS. And, the controller components will still be written with React.