State Diagram

Upon entry, the user will be directed to the home page. If the user is not logged in or does not have an account, they will be directed to the signup/login pages to do any activity. Upon successful login/signup, the user can browse our website. As they browse, they can choose a category and view its products. If the user wants to purchase products, the user will view the details of the product. If it is the product the client wants, it will be added to the final quotation list (cart), otherwise, the user can RQF, which will be sent to the supervisor for approval/disapproval. Once in the final quotation list, if the user is done browsing, they can proceed to checkout, where the quotation will be sent to our system, otherwise, the user will go back to browsing and can keep adding more products. Once at checkout, the total amount is checked. If the total amount is less than 5000$, the system initiates the purchase and exits the system, otherwise a message will be sent to the client's supervisor with the quotation. If quotation is approved, the system initiates the purchase, otherwise the purchase will be canceled and will exit the system.

Legend: yellow components are actions
*   blue components are states*