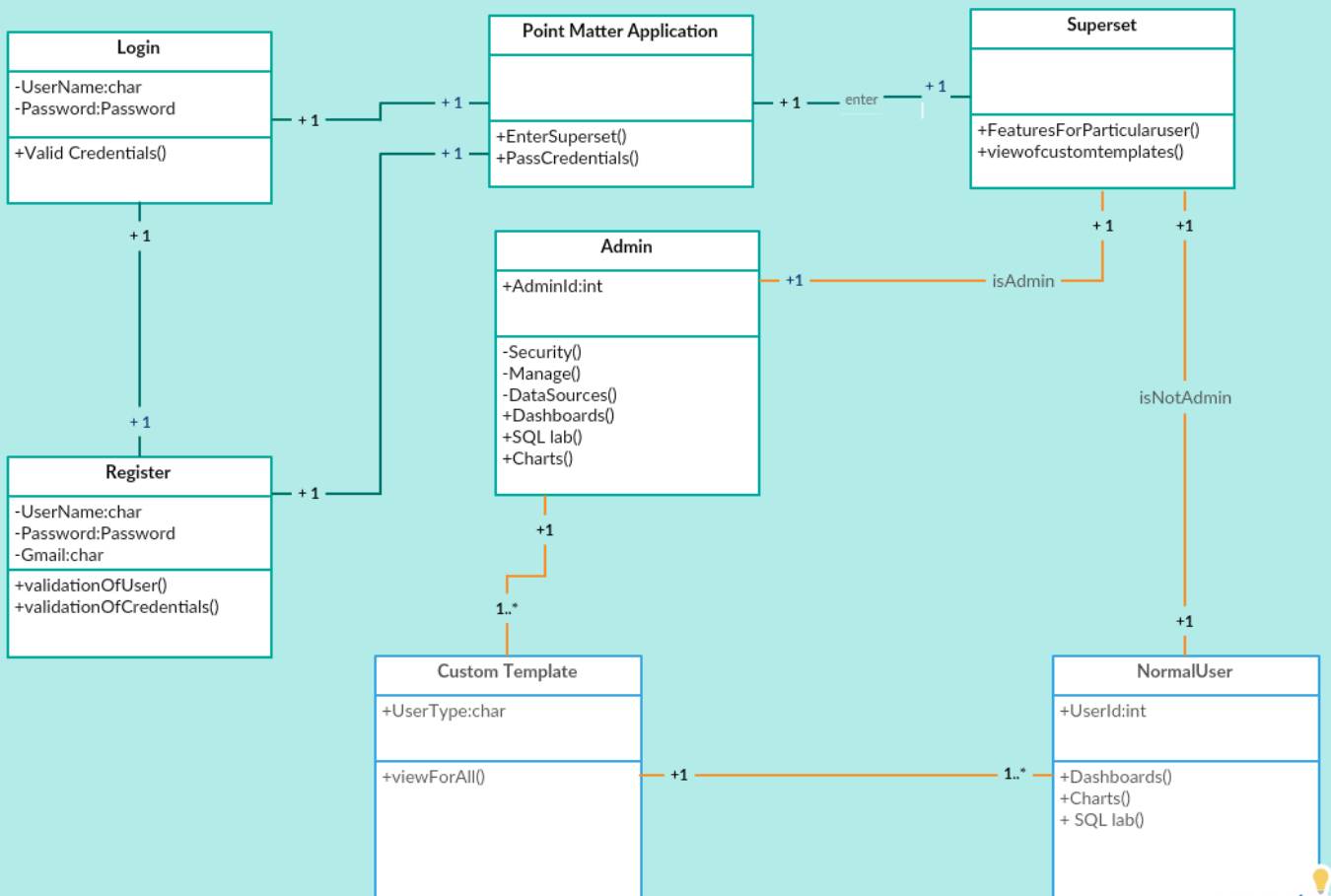


Team <12, Chinni Venkata Charan & Debojit Das,Ujwal Narayan N,Arnav Kapoor,R S Subbulakshmi>

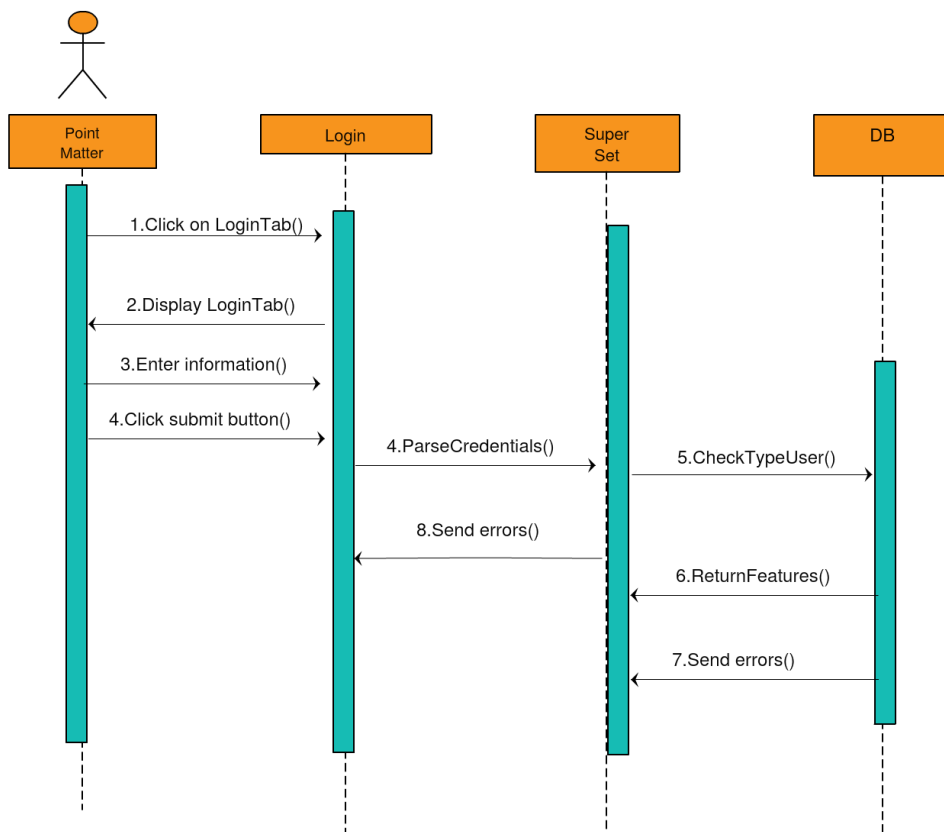
Design Model

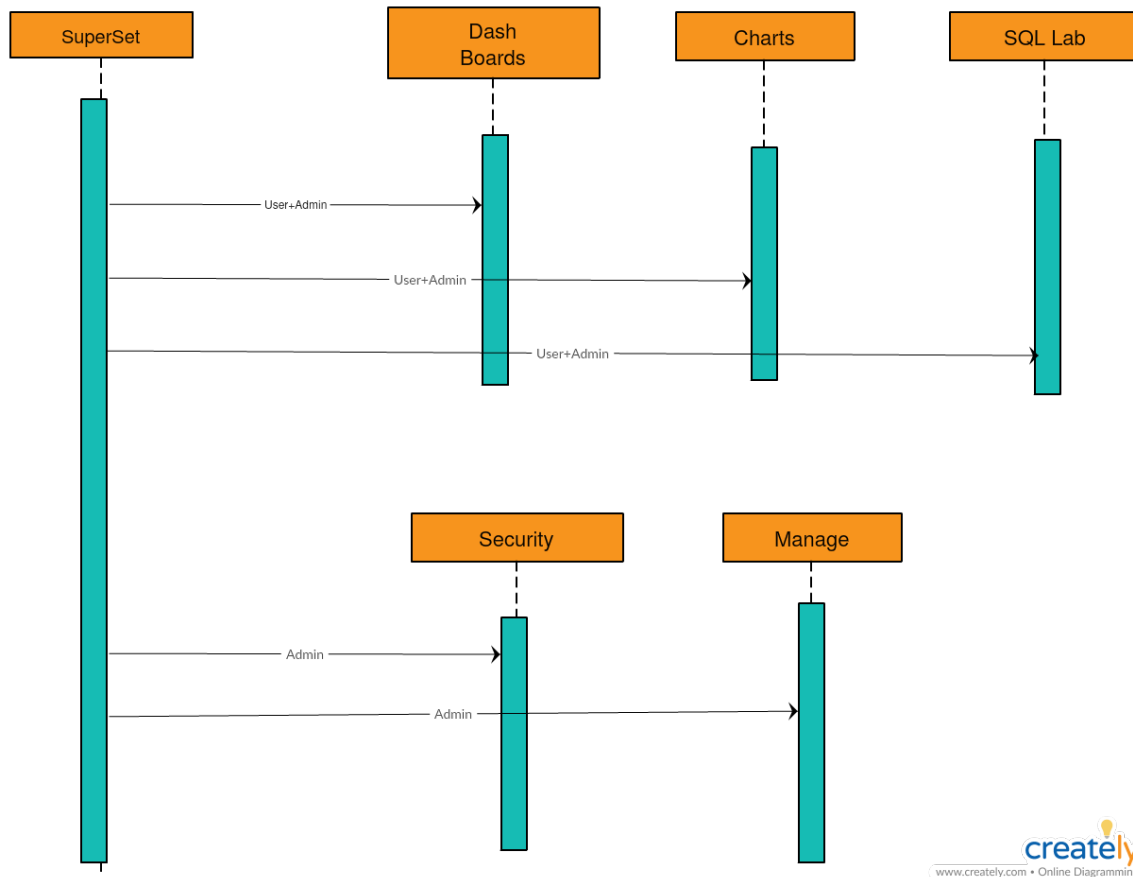
The fundamental aspect of this project is an end user can visualize the data by running the sql queries after login into the application



Single Login	<p>Login Behavior</p> <ul style="list-style-type: none"> • Input:credentials of a particular user • Flow:When a particular user login user into the application then he don't need to again login into into the superset application as we parses the credentials to the superset application • Parses the credentials to the application
Roles Assignment	<p>Creating the roles</p> <ul style="list-style-type: none"> • Different Persons will have different roles in the applications • Eg:Admin can have additional roles other than normal user like he can view the list of users who logged into the application
Custom Templates	<p>SQL Lab</p> <ul style="list-style-type: none"> • Through Sql lab which is a part of superset application he can write his own queries and visualize the data based on his requirements <p>Custom Templates</p> <ul style="list-style-type: none"> • There are a set of custom Templates where we can visualize the data without need of quering the data • We create the templates using the SQL queries based on the requirements
Contribution to Superset	<p>Contribution</p> <ul style="list-style-type: none"> • This is a application which was built using D3 graphics,react js and also flask-app-builder which have very poor documentation,the team has to go through the code on how it was written and finds the error (if any) • So,now we contribute the fixes to the community which would help them in future

Sequence Diagrams





The above diagrams is a sequence diagram, which explains the flow of control from one part to other.

Design Rationale:

The main crux of our project revolves around the ability to create single sign on for the users **and the ability to have customised templates for them. The classes that he have used for our design document reflect this.**

Another component of the project is to have specialized permissions for each of the users thus we have separate admin and normal user classes as only the admin has access to certain privileges namely creating new users and setting their roles