Faculty of Computer and Information
Cairo University
Software Engineering 1 "Cs251"
Charts Project

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Under Supervisor;

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TA/ Omar Khaled.

1.Description:

The purpose of this document to describe our chart java application project that we develop be easy, simple, efficient and easy to run and use.to achieve this target (describing) we draw

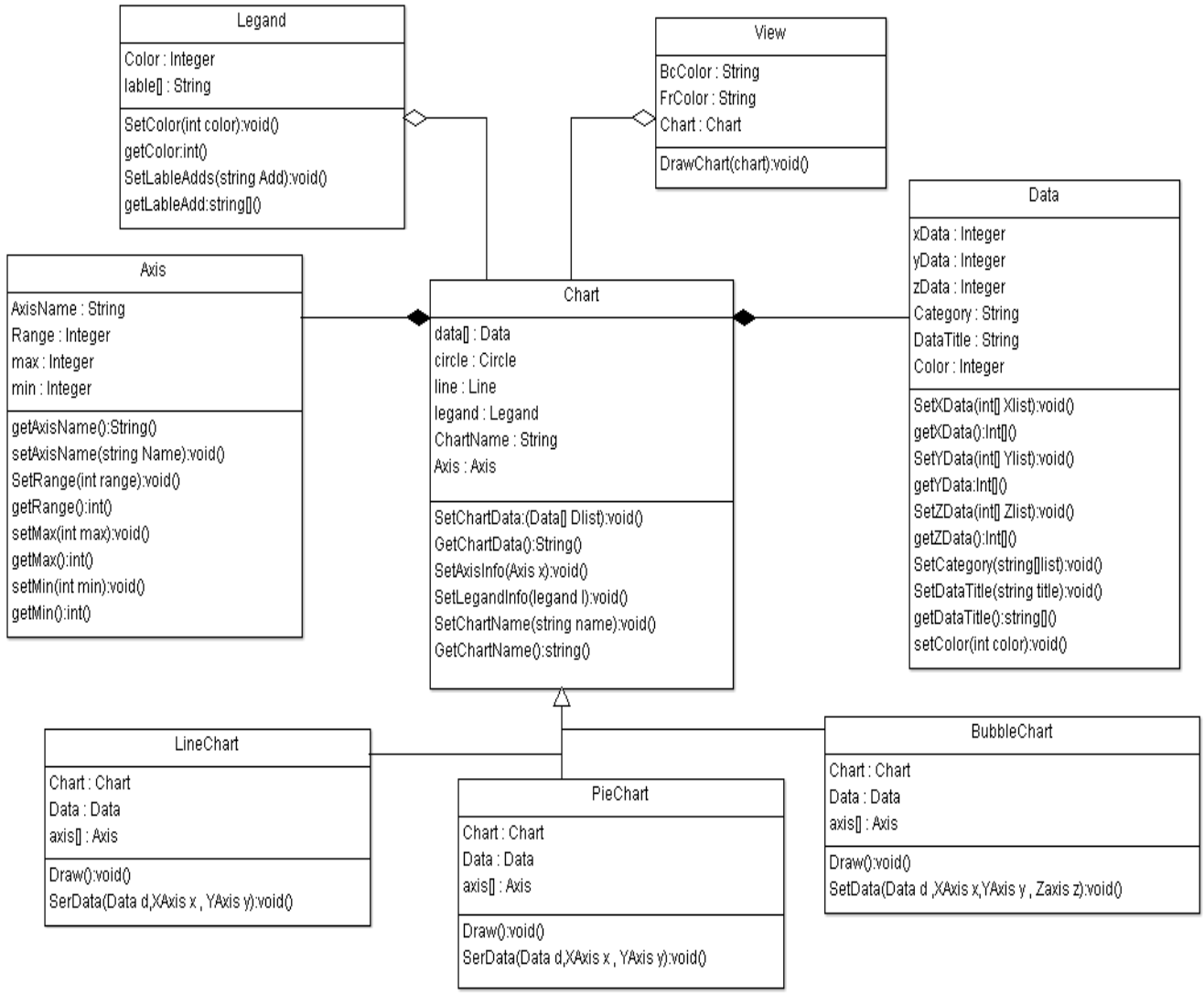
1. **A class diagram:** to describe the structure of our app by showing the application classes, attributes, methods, and the relationships among objects.

2. **A sequence diagram:** is an event (interaction) diagram we made it to show how processes operate with one another and in what order.
   And it shows object interactions arranged in time sequence.
   It describe the objects and classes involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario.

3. **A cohesion & coupling:** is a graphic relationship between models and show each model parameters.

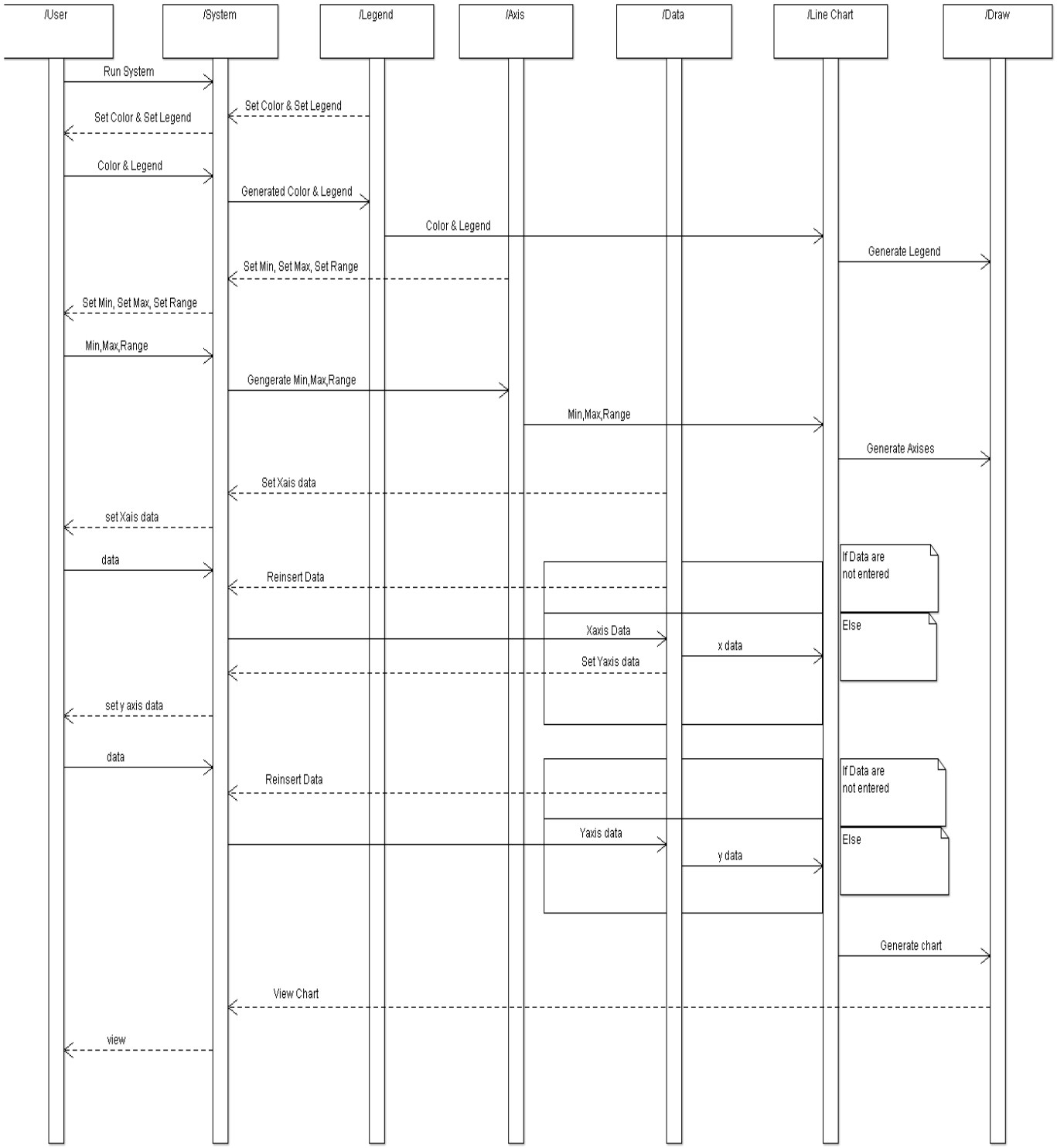
4. **A use case diagram:** is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify, and organize system requirements.

2.Class Diagram:-

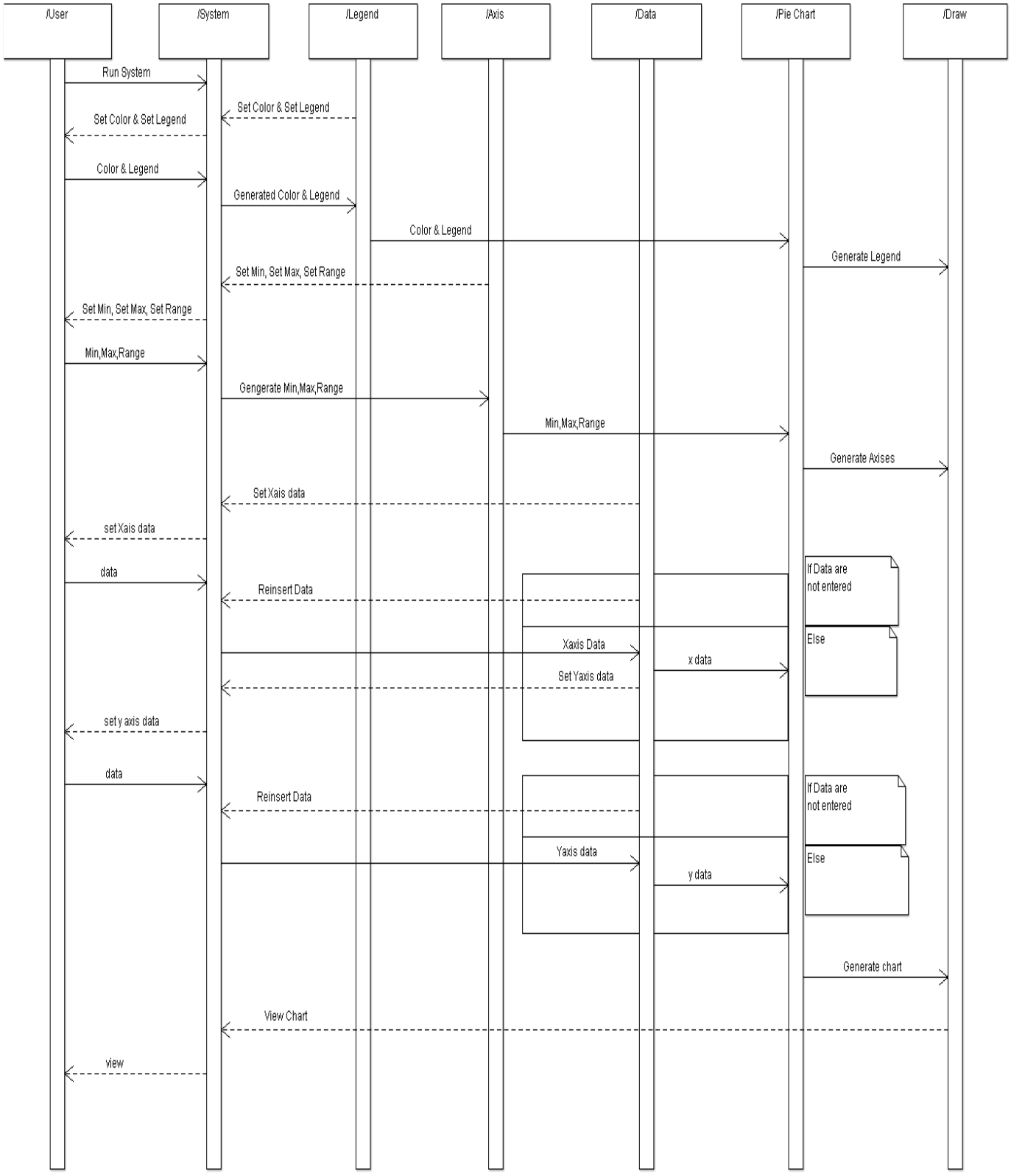


3: Sequence diagram:-

3.1: line Chart:-



3.2:Pie Chart:


/User
/System
/Legend
/Axis
/Data
/Pie Chart
/Draw
Run System
Set Color & Set Legend
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Set Min, Set Max, Set Range
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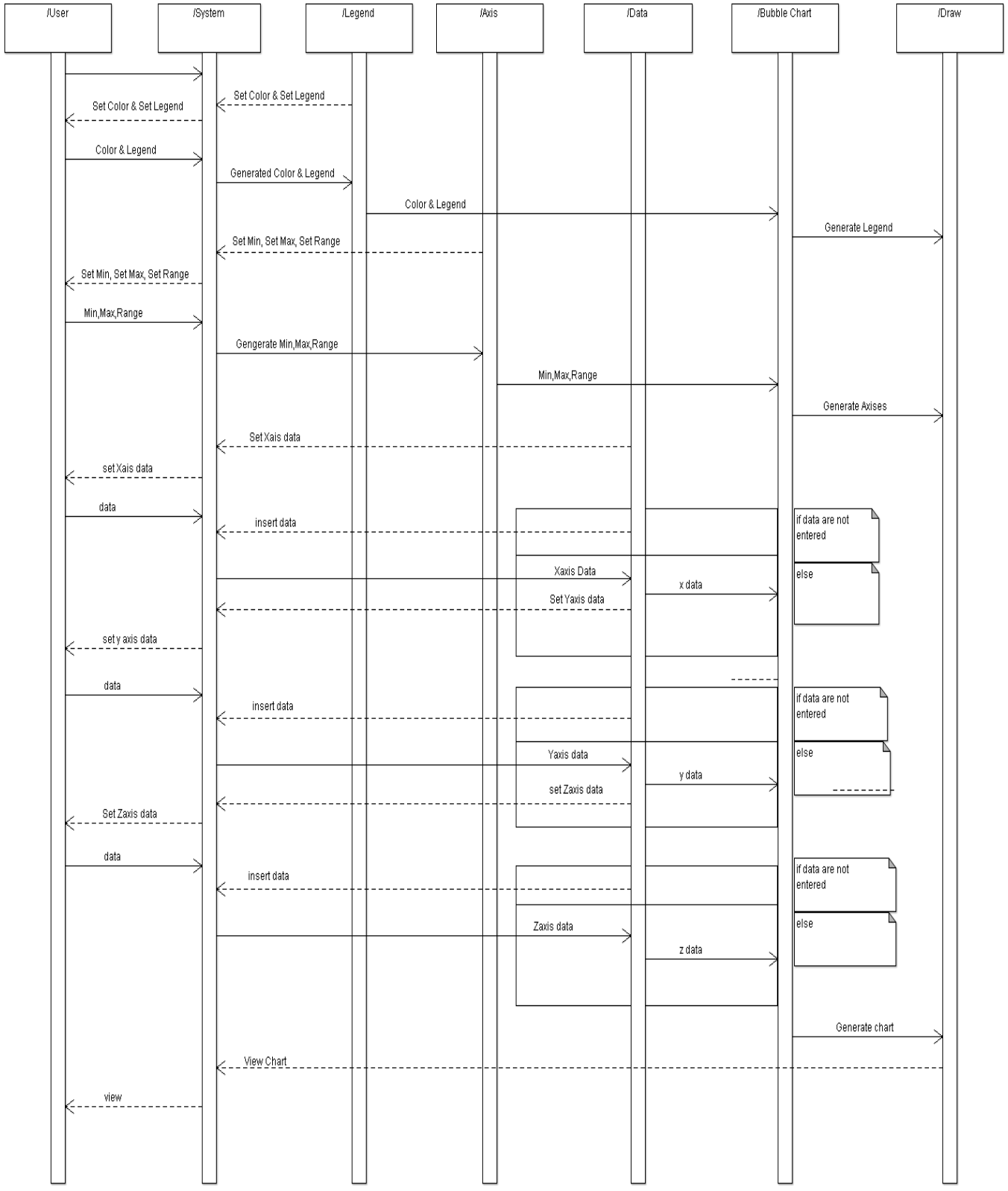
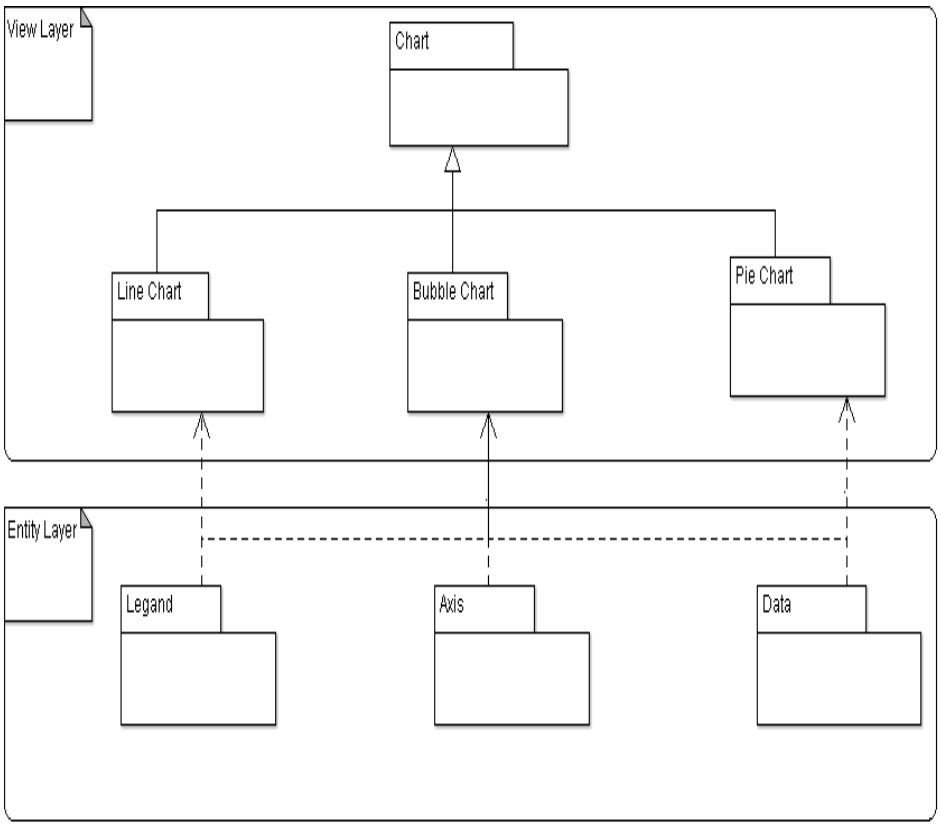
Min,Max,Range
Generate Axises
Set Xais data
set Xais data
data
Reinsert Data
If Data are not entered
Else
Xaxis Data
x data
Set Yaxis data
set y axis data
data
Reinsert Data
If Data are not entered
Else
Yaxis data
y data
Generate chart
View Chart
view

3.3: Bubble chart:



4: Cohesion & Coupling chart:



Ownership Report:

Owner	Item
Ahmed Samy	Description
Ahmed Talaat	Class Diagram
Ahmed Yehia	Sequence Diagram
Ahmed Hossam	Cohesion & Coupling Diagram