



CS251:Software Engineering I 2014---2015  
Project Title : **Chart Component**

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# CS251: Phase 1 – Chart Component

## Software Requirements Specifications

### Contents

Instructions [To be removed] .....	Error! Bookmark not defined.
Team .....	2
Document Purpose and Audience .....	2
Introduction .....	2
Software Purpose .....	2
Software Scope .....	3
Definitions, acronyms, and abbreviations .....	3
Requirements .....	3
Functional Requirements .....	3
Non Functional Requirements .....	4
System Models .....	4
Use Case Model .....	4
Use Case Tables .....	4
Ownership Report .....	5
<b>Policy Regarding Plagiarism:</b> .....	5



## CS251: Phase 1 – Chart Component

# Software Requirements Specifications

### Team

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### Document Purpose and Audience

### Introduction

#### Software Purpose

- The software purpose is to help manager student business and others who want to calculate some static problem and math in visualize the solution
- Increase the ability to make a decision
- Help to take an overview of data in short time
- Draw a chart in many different colors
- Draw a chart with different shapes
- Make summarizes for data in visualize way



## CS251: Phase 1 – Chart Component

# Software Requirements Specifications

### Software Scope

This software is a system to convert data entered into charts in different color and shapes, this system will be designed to help the user to understand what data means.

The chart system will represent data with different ways for example it will use a pie chart, a line chart,....

The Chart Component is responsible for holding data points, annotations, color, label and various necessary properties. A pie chart shows percentage values as a slice of a pie.

- A line chart is a two-dimensional scatterplot of ordered observations where the

### Definitions, acronyms, and abbreviations

## Requirements

### Functional Requirements

- 1- User allowed choosing chart type
- 2- User allowed changing the color of the chart shape
- 3- User allowed entered the name of model and shape
- 4- User allowed to enter the name of for x-axis and name of for y-axis
- 5- The system will allow the User to enter the value for x-axis and other for y-axis
- 6- User allowed to enter more than 2-value (x-axis, y-axis).
- 7- User allowed to determine the range of the value in x-axis and for y-axis
- 8- User allowed to see the summarize for data
- 9- The system allowed user to save data on file or database
- 10- User allowed to determine the kind of font format and color



# CS251: Phase 1 – Chart Component

## Software Requirements Specifications

### Non Functional Requirements

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### System Models

#### Use Case Model

#### Use Case Tables

Use Case ID:	
Use Case Name:	
Actosr:	
Pre-conditions:	



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### Software Requirements Specifications

Post-conditions:		
Flow of events:	User Action	System Action
	1- User Enter Card and Password.	
		2- System Verify user data
	3- User Select Vodafone from the list	
		4- System retrieves Vodafone bills
	and so on	
Exceptions:		
Includes:		
Notes and Issues:		

### Ownership Report

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Item	Owners

### Policy Regarding Plagiarism:

**Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.**

1. تشجع الكلية على مناقشة الأفكار و تبادل المعلومات و مناقشات الطلاب حيث يعتبر هذا جوهرها لعملية تعليمية سليمة
2. ساعد زملائك على قدر ما تستطيع و حل لهم مشاكلهم في الكود و لكن تبادل الحلول غير مقبول و يعتبر غشا.
3. أى حل يتشابه مع أى حل آخر بدرجة تقطع بأنهما منقولان من نفس المصدر سيعتبر أن صاحبيهما قد قاما بالغش.
4. قد توجد على النت برامج مشابهة لما نكتبه هنا أى نسخ من على النت يعتبر غشا يحاسب عليه صاحبه.



## CS251: Phase 1 – Chart Component

# Software Requirements Specifications

5. إذا لم تكن متأكدا أن فعلا ما يعد غشا فلتسأل المعيد أو أستاذ المادة.
6. في حالة ثبوت الغش سيأخذ الطالب سالب درجة المسألة ، و في حالة تكرار الغش سيرسب الطالب في المقرر.