PUCIT
Punjab University College of Information Technology

Project Title: "*STS Portal*"

Project ID:

Group Advisor: Sir Tahir Fazal

Group Leader:

Saeed Akhtar (BSEF14M533)

Group Members:

Aliha Tayyab (BSEF14M551)

Amna Mukhtar (BSEF14M539)

First Deliverable

Version 1.0

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First Deliverable Guide

1 Introduction:

STS Portal is planned and a number of artifacts are produced during the planning phase. Project planning for **STS Portal** includes the following:

Project Feasibility
Project Scope
Project Costing
Critical Path Method Analysis (CPM Analysis)
Gantt Chart
Introduction to team members
Tools and Technologies
Vision Document
Risk List

1.1 Project/Product Feasibility Report

Our project is feasible as we have all the necessary expertise, resources, equipment and time required for the project.

Our project is addressing the need of teachers and students who want to organize their study material ,share the material and o*ur* website supports both teacher and students and links them on a single platform.

So our project is feasible and beneficial for teachers and students for easy access to study material and to get easy interaction between teachers and students of an institute .

1.1.1 Technical Feasibility

This project is also technically feasible because the tools and technologies required for this project are already available.

Tools and Technologies used in this project are Php for backend programming and front-end web development languages and frameworks like HTML, CSS, JavaScript, Bootstrap etc.

We currently have command on most of the technologies required for our project and we also discuss it with few technical experts, so it is technically feasible.

1.1.2 Operational Feasibility

This project is web-based application and using such applications doesn't require any special technical skills.

Our platform will be a breakthrough to how lectures, quizzes and tutorials can be delivered to students with ease. Lectures,marksheet,assignments are hard to manage and also difficult to deliver to students. Our website not only solves this problem but also it checks the plagiarism in the assignments uploaded by students.

It will be having a user-friendly interface. Our both common public and companies involved in event management businesses would be pleased to have such informative and easier to use platform.

1.1.3 Economic Feasibility

We have applied life cycles and divide our project into different parts to check this. The cost estimate includes both the development and maintenance cost. At the end of all the calculations it was confirmed that our project is economically feasible. We have shown this calculation in our documentation.

1.1.4 Schedule Feasibility

We have reasonable time and resources to complete this project and the project is divided into modules and each module has to be completed on due date.

Significance of time cannot be neglected as if time limit is exceeded. Special attention will be paid in order to complete our project within time.

Weekly meetings will be scheduled in order to ensure that our team is not lacking behind the schedule.

It is ensured that all the resources required to complete this project are available and they are accountable to complete the tasks before the deadline up. All schedule details are given in Gantt chart.

1.1.5 Specification Feasibility

Customer must have any internet enabled device which supports browsers. It can be a laptop, desktop, smartphone, tablet etc. this portal will run on cross platform devices and will be responsive according to device display dimension.

So we develop out web portal according to these constraints and they are clear and definite. And the scope boundaries are also assessed.

1.1.6 Information Feasibility

Providing reliable information is also necessary for gaining a customer's trust and since gaining trust is our top priority so the information provided on our system will only be provided after proper authentication from secure sources. We will make sure that the information provided to the customer is useful, meaningful and 100 percent reliable.

1.1.7 Motivational Feasibility

Providing the customers with proper information about different features of our system is also important. The user interface of our system will be simple, user friendly and will be provided with such features that will not only motivate the user but also guide him through the interaction process. While developing our system, the different types of users will be kept in mind.

1.1.8 Legal & Ethical Feasibility

We have made sure that our system is legally and ethically correct and secure .No such action has been taken or no such feature has been used that would be cause of any infringements or liabilities. We will give our privacy policies to user to make our intentions and concerns clear.

1.2 Project/Product Scope

Main objectives of this website is to provide single place to the students where they can do all programming related activities without logging different websites.

To develop a new student web portal accessible through student owned devices and through a variety of locations (home, university, public) To encourage students and teachers to use the new online portal to support teaching and learning .

To extend dialogue beyond the classroom by providing access to web. Teachers will acknowledge the online, real-time environment where students "live". Helps in easy learning of concepts of programming to the beginners from any area of the world. The portal will enhance communication and collaboration beyond classroom walls (teachers-students, students-students).

One of the main objective of proposed system is not only to be useful to students of the university but also teaching faculty . System objective is of being useful in significant way by providing most basic and most essential functionalities and features to its users in efficient and effective manner.

1.3 Project/Product Costing

Project costing is an important factor in the planning phase. In project costing we estimate about the total budget of the project which tell us that our project is economically feasible or not. Project cost can be calculated with two ways one is **Function Point** and the second one is **COCOMO (Constructive Cost Model)**. For our project we are going to find the cost of the project with the help of Function Point.

1.3.1 Project Cost Estimation By Function Point Analysis

No	Inputs	Complexity
1	Sign in	Average
2	Sign up as student	Average
3	Sign up as teacher	High
4	Forget user name or password	Average
5	Post an assignment/file/link/any study material	High
6	Edit Posted study material	Average
7	Search Posts	Average
8	Edit users profile	Average

9	Delete posted study Material	Low
10	Verify sign up requests	Average
11	Block user	Low
12	Unblock User	Low
13	Deadline for assignments submission In Folder	Average

User Outputs:

No	Outputs	Complexity
1	Successful Login	High
2	Unsuccessful Login(wrong email or password)	Average
3	Edit post successful	Low
4	Sign up successful	Low
5	Sign up unsuccessful(user already exists)	Low
6	Post successfully submitted for verification	Average
7	User (Teacher , Student) profile successfully updated	Average
8	Log out successful	Low

User Inquiries:

1	View all posted Material	High
2	View blocked Users	Average
3	View blocked Posts	Average
4	View new Users (to be verified)	Average
5	View new Posts (to be verified)	Average
6	Search Users (Students , Teachers)	Low

Internal Logical Files:

No	Internal Logical files	Complexity
1	ID's and passwords of all users (Students and Teachers)	High
2	Files(images) that user upload with post	High
3	Assignments uploaded, quizzes mark sheets uploaded in folders	High

External interface Files:

No	External interface Files:	Complexity
1	Plagiarism system's report	High

Measurement Parameters	Count	Low	Average	High	FP Count
Number of Inputs	12	3x 3 = 9	7 x 4 = 28	2 x 6 = 12	43
Number of Outputs	8	4 x 4 = 16	3 x 5 = 15	1 x 7 = 7	38
Number of Inquiries	6	1 x 3 = 3	4 x 4 = 16	1 x 6 = 6	25
Number of Files	3	0 x 7 = 0	0 x 10 = 0	3 x 15 = 45	45
Number of External Interfaces	1	0 x 5 = 0	0 x 7 = 0	1 x 10 = 0	10

Total number of unadjusted points = 0

Total Adjusted Function Points: 161

Function Point Calculation:

Data Communication	5
Distributed Data Processing	4
Performance	5
Heavily Used Configuration	3
Transaction Rate	4
On-Line Data Entry	4
End User Efficiency	4
On-Line Update	4
Complex Processing	3
Reuseability	4
Installation Ease	5
Operational Ease	5
Multiple Sites	2
Facilitate Change	4
Total = ∑Fi	56

FP est. = Count Total * [0.65 + 0.01 * (Fi)]

= 161 * [0.65 + 0.01 * (56)]

= 161* [1.21]

FP est. = 194.81

LOC Method

User Input:

No	Inputs	LOC
1	Sign in	100 200 300
2	Sign up as student	200 250 300
3	Sign up as teacher	200 250 300
4	Forget user name or password	200 300 500
5	Post an assignment/file/link/any study material	400 500 700
6	Edit Posted study material	400 500 700
7	Search Posts	200 300 500
8	Edit users profile	200 300 500
9	Delete posted study Material	200 250 300
10	Verify sign up requests	100 150 250
11	Block user	100 150 250
12	Unblock User	100 150 250
13	Deadline for assignment	200 250 300

User Outputs:

No	Outputs	LOC
1	Successful Login	500 700 800
2	Unsuccessful Login(wrong email or password)	500 700 800
3	Edit post successful	300 350 400
4	Sign up successful	200 250 300
5	Sign up unsuccessful(user already exists)	100 150 200
6	Post successfully submitted for verification	200 300 350
7	User (Teacher , Student) profile successfully updated	300 400 500
8	Log out successful	100 200 300

User Inquiries:

No	Inquiries	LOC
1	View all posted Material	200 250 300
2	View blocked Users	200 250 300
3	View blocked Posts	200 250 300
4	View new Users (to be verified)	200 250 300
5	View new Posts (to be verified)	200 250 300
6	Search Users (Students , Teachers)	200 250 300

Internal Logical Files:

No	Internal Logical files	LOC

1	ID's and passwords of all users (Students and Teachers)	500 600 700
2	Files(images) that user upload with post	600 700 800
3	Assignments uploaded, quizzes mark sheets uploaded in folders	500 600 700

External interface files:

No	External interface Files:	LOC
1	Plagiarism system's report	300 400 500

Total LOC:

	Optimistic	Likely	Pessimistic
Inputs	**2600**	**3550**	**5150**
Outputs	**2200**	**3050**	**3650**
Inquiries	**1200**	**1500**	**1800**
Logical Files	**1600**	**1900**	**2200**
Interface	**300**	**400**	**500**
Total	**7900**	**10400**	**13300**

Estimated LOC (first user) = (Optimistic + 4 * Likely + Pessimistic) / 6 = 10467

Labor Rate = Rupees 30000/-
Productivity per month = 3000 LOC
Cost per LOC = 30000 / 3000 = 10 RS / LOC
Total project cost = 10 * 10467= Rupees 104670/-
Estimated Effort = 10467 / 3000 =3.5 months

COCOMO
INITIAL EFFORT

Total LOC = 10467
KDLOC = 10
Ei = $3.0 * (10)^{1.12}$
= 39.54

ESITMATION

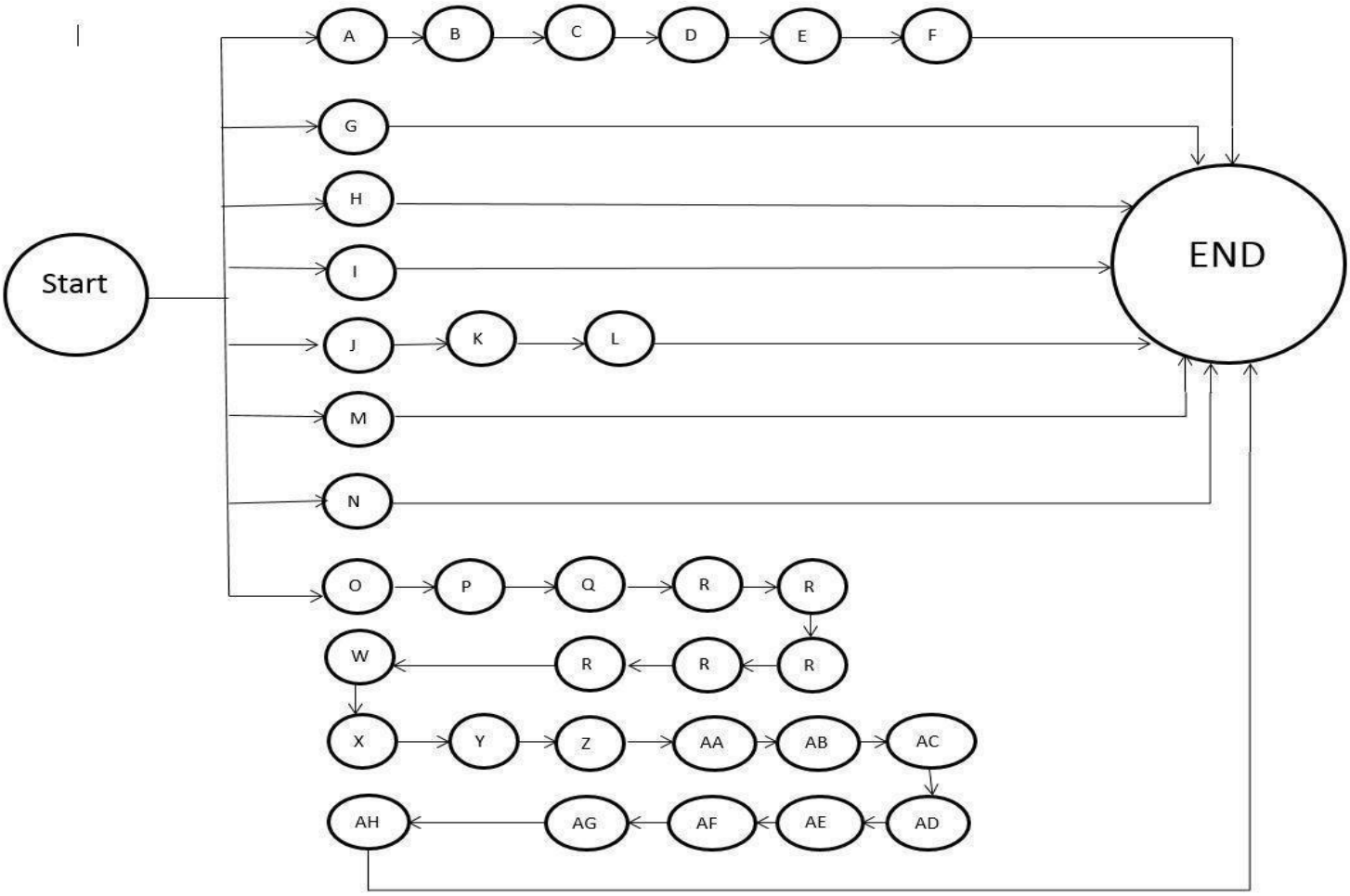
Cost Multiplier = 1.00
Nominal (Moderate , Recoverable loss)
Amount of cost drivers are fixed = 15
Estimation = 15 * 39.54
= 593.1

1.4 CPM - Critical Path Method

Name	Task	Predecessor	Duration
A	Proposal Evaluation and Acceptance		1 day
B	Project Feasibility Report	A	1 day
C	Define the Scope of the project	B	1 day
D	Project cost estimation	C	3 days
E	Construct Gantt chart	D	3 days
F	Critical path measure	E	3 days
G	Vision documentation	F	2 days
H	Define tools and technology		1 day
I	Analysis of risk		1 day
J	System specification		1 day
K	Identify external entities	J	2 days
L	Context flow data level diagram	K	3 days
M	Allocate requirements		1 day
N	Prioritize requirement		1 day
O	Requirement trace-ability matrix		2 days
P	High level use-case diagram	O	3 days
Q	Use case descriptions	P	3 days
R	Analysis level use case diagrams	Q	6 days

S	Design domain model	R	3 days
T	Design sequence diagram	S	5 days

U	Design collaboration diagram	T	4 days
V	Design class diagram	U	5 days
W	Design entity relationship diagram	V	10 days
X	Design user interfaces	W	20 days
Y	Implementation	X	25 days
Z	Signup/Login	Y	4 days
AA	Post files, message	Z	5 days
AB	Download content, upload assignment	AA	6 days
AC	Check plagiarism	AB	3 days
AD	Integration of modules	AC	10 days
AE	Testing and debugging of modules	AD	10 days
AF	Deployment	AE	4 days
AG	Final documentation	AF	3 days
AH	Submit Final Documentation	AG	1 day



Name	ES	EF	LS	LF	Lag
Start	0	0	0	0	0
A	0	1	120	121	120
B	1	2	121	122	120
C	2	3	122	123	120
D	3	6	123	126	120

E	6	9	126	129	120
F	9	12	129	132	120
G	0	2	130	132	130
H	0	1	131	132	131
I	0	1	131	132	131
J	0	1	126	127	126
K	1	3	127	129	126
L	3	6	129	132	126
M	0	1	131	132	131
N	0	1	131	132	131
O	0	2	0	2	0
P	2	5	2	5	0
Q	5	8	5	8	0
R	8	14	8	14	0
S	14	17	14	17	0
T	17	22	17	22	0
U	22	26	22	26	0
V	26	31	26	31	0
W	31	41	31	41	0
X	41	61	41	61	0
Y	61	86	61	86	0

Z	86	90	86	90	0
AA	90	95	90	95	0
AB	95	101	95	101	0
AC	101	104	101	104	0
AD	104	114	104	114	0
AE	114	124	114	124	0
AF	124	128	124	128	0
AG	128	131	128	131	0
AH	131	132	131	132	0
Finish	132	132	132	132	0

Critical Path:

START→O→P→Q→R→S→T→U→V→W→X→Y→Z→AA→AB→AC→AD→AE →AF→AG→AH→END

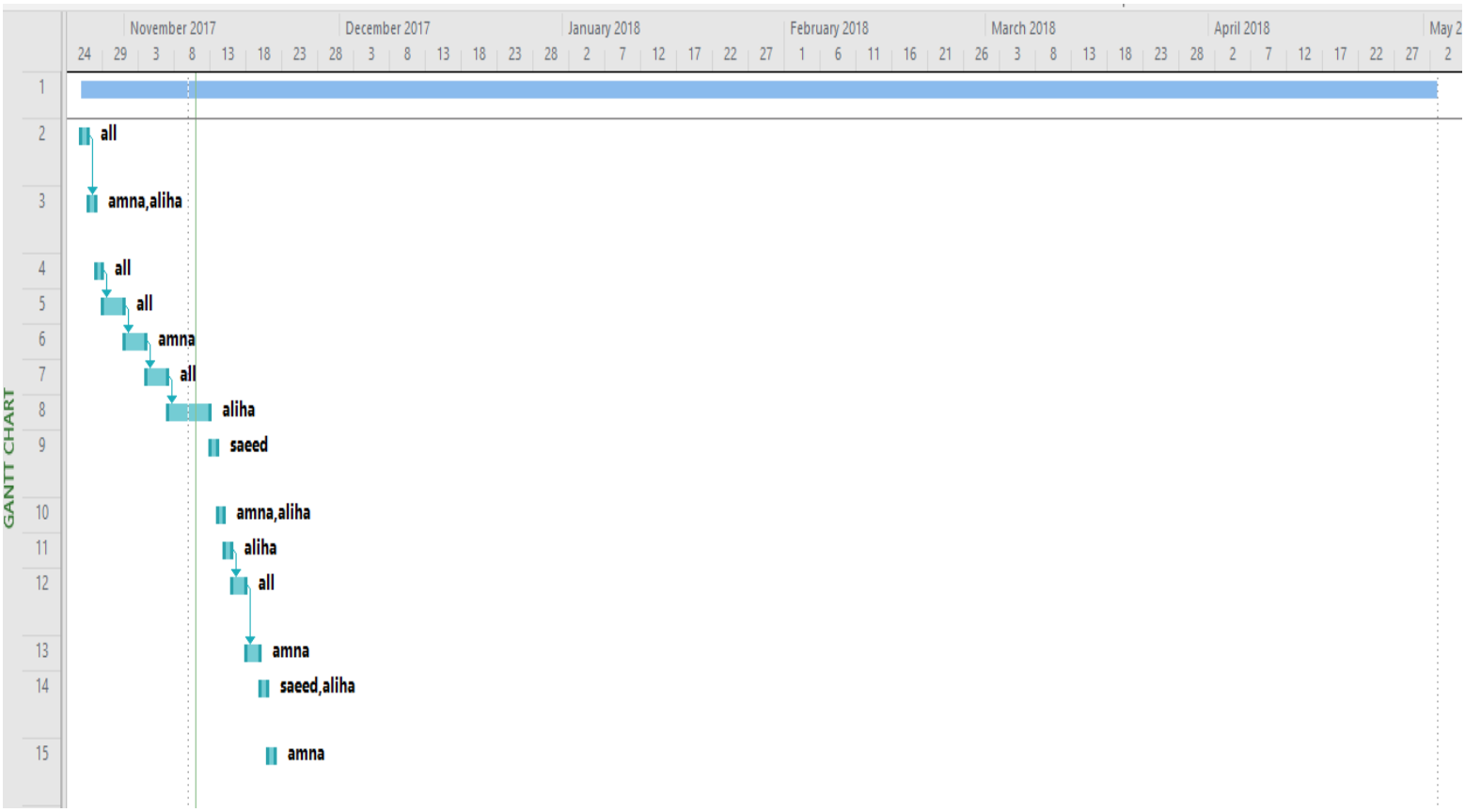
1.5 Gantt chart

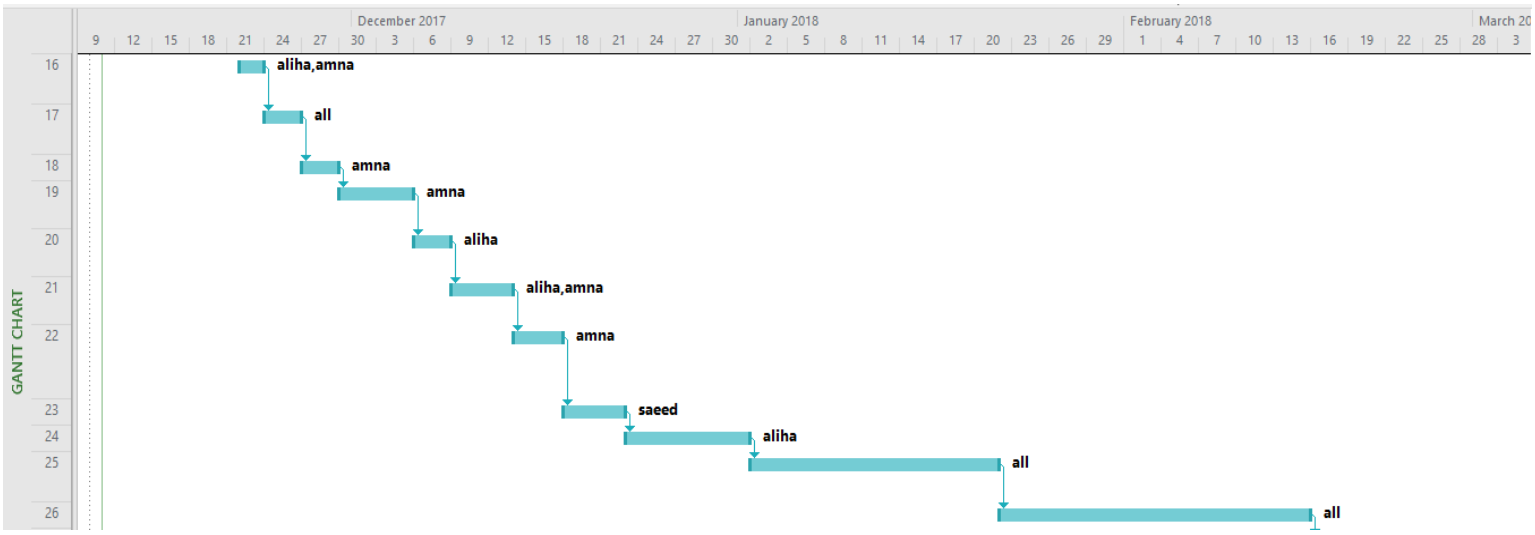
GANTT CHART

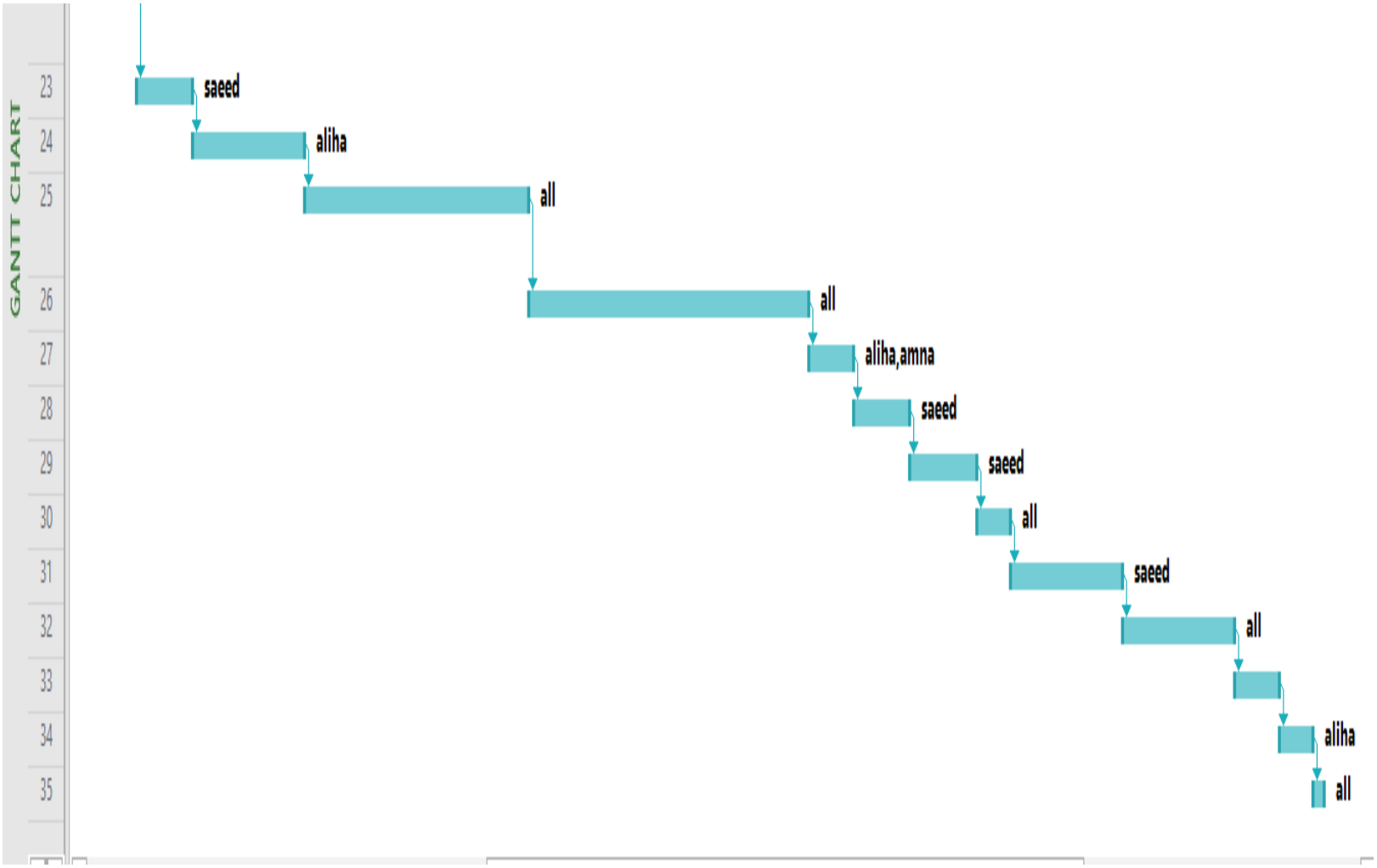
	Task Mode	STS portal	Duration	Start	Finish	Predecessors	Resource Names
1		STS PORTAL	189 days	Thu Oct 26, '17	Wed May 2, '		
2		proposal evaluation and acceptance	1 day	Thu Oct 26, '17	Thu Oct 26, '17		all
3		project feasibilty report	1 day	Fri Oct 27, '17	Fri Oct 27, '17	2	amna,aliha
4		scope of the project	1 day	Sat Oct 28, '17	Sat Oct 28, '17		all
5		cost estimation	3 days	Sun Oct 29, '17	Tue Oct 31, '17	4	all
6		construct gantt char	3 days	Wed Nov 1, '17	Fri Nov 3, '17	5	amna
7		critical path method	3 days	Sat Nov 4, '17	Mon Nov 6, '17	6	all
8		vision document	6 days	Tue Nov 7, '17	Sun Nov 12, '17	7	aliha
9		tools and technology	1 day	Mon Nov 13, '17	Mon Nov 13, '17		saeed
10		anaylsis of risk	1 day	Tue Nov 14, '17	Tue Nov 14, '17		amna,aliha
11		system specificatior	1 day	Wed Nov 15, '17	Wed Nov 15, '17		aliha
12		identify external entities	2 days	Thu Nov 16, '17	Fri Nov 17, '17	11	all
13		context level dfd	2 days	Sat Nov 18, '17	Sun Nov 19, '17	12	amna
14		allocate requirements	1 day	Mon Nov 20, '17	Mon Nov 20, '17		saeed,aliha
15		prioritize requirements	1 day	Tue Nov 21, '17	Tue Nov 21, '17		amna
16		requirement trace-abilty matrix	2 days	Wed Nov 22, '17	Thu Nov 23, '17		aliha,amna

GANTT CHART

	Task Mode	STS portal	Duration	Start	Finish	Predecessors	Resource Names
15		prioritize requirements	1 day	Tue Nov 21, '17	Tue Nov 21, '17		amna
16		requirement trace-abilty matrix	2 days	Wed Nov 22, '17	Thu Nov 23, '17		aliha,amna
17		high level use case diagram	3 days	Fri Nov 24, '17	Sun Nov 26, '17	16	all
18		usecase description	3 days	Mon Nov 27, '17	Wed Nov 29, '17	17	amna
19		anaylsis level usecase diagram	6 days	Thu Nov 30, '17	Tue Dec 5, '17	18	amna
20		design domain model	3 days	Wed Dec 6, '17	Fri Dec 8, '17	19	aliha
21		design sequence digram	5 days	Sat Dec 9, '17	Wed Dec 13, '17	20	aliha,amna
22		design calloboration diagram	4 days	Thu Dec 14, '17	Sun Dec 17, '17	21	amna
23		Design class diagram	5 days	Mon Dec 18, '17	Fri Dec 22, '17	22	saeed
24		Design erd	10 days	Sat Dec 23, '17	Mon Jan 1, '18	23	aliha
25		Design user interfaces	20 days	Tue Jan 2, '18	Sun Jan 21, '18	24	all
26		Implementation	25 days	Mon Jan 22, '18	Thu Feb 15, '18	25	all
27		Signup/Login	4 days	Fri Feb 16, '18	Mon Feb 19, '18	26	aliha,amna
28		Post files, message	5 days	Tue Feb 20, '18	Sat Feb 24, '18	27	saeed
29		Download content,	6 days	Sun Feb 25, '18	Fri Mar 2, '18	28	saeed
30		Check plagiarism	3 days	Sat Mar 3, '18	Mon Mar 5, '18	29	all
31		Integration of modu	10 days	Tue Mar 6, '18	Thu Mar 15, '18	30	saeed
32		Testing and debugg	10 days	Fri Mar 16, '18	Sun Mar 25, '18	31	all
33		Deployment	4 days	Mon Mar 26, '18	Thu Mar 29, '18	32	
34		Final documentatior	3 days	Fri Mar 30, '18	Sun Apr 1, '18	33	aliha
35		Submit Final Docum	1 day	Mon Apr 2, '18	Mon Apr 2, '18	34	all







1.6 Introduction to Team member and their skill set

Name	**Roll Number**	**Skills**
Saeed Akhtar	**BSEF14M533**	**Management, Software Development,**
Amna Mukhtar	**BSEF14M539**	**Software Development, Documentation,testing**
Aliha Tayyab	**BSEF14M551**	**Documentation, Support, Testing**

1.7 Tools and Technology with reasoning

Tool	**Reason**
MS Office 2013	Used for documentation purposes.
MS project 2013	Used To Create Gantt Chart.
MS Visio 2013	Used for Design Diagrams.

Technologies	**Reason**
Notepad++ , XAMPP, PHPMYADMIN	This will be used as application tools and development platform
PHP, HTML	For Code Behind
Java Script	For Client Side validation at some points
MySQL Server	As a database management system
LARAVAL	A Frame work used to create php websites
CSS	For designing webpages layout

1.8 Vision Document

This document is to set out high level vision for our website. We will be using PHP platform and we are designing it for cross platforms.

1.8.1 Problem Statement:

For our institute , there is no platform for the students and teachers for their collaborations and sharing of study material. In our university all teachers material can only accessed with university.

And students can't access the material outside the university . and there is no way for teachers to checking programming assignments plagiarism and upload the marksheet according to that report.

We need a common platform for both teachers and students for their interaction over study material and queries.

1.8.2 Successful solution:

As all the problems explained in the problem statement we have created a solution by making web portal that would facilitate the teachers as well as students of university.

The both users can collaborate with each other over a common platform .

1.8.3 User Environment:

The basic interface provide to the user is through his own internet enabled device from where he can easily access our web portal through his browser. He can easily access all the features of our web portal using his device.

Our website is cross platform so user faces no difficulty while using it on different platforms.

1.8.4 Project Features:

Our website will operate according to the user requirement.
It has centralized database. Our website can be accessed from anywhere around the globe.
Teachers and students can use this portal from anywhere and interact with each other and can share study material , queries etc easily.

1.8.5 Stakeholders:

There are basically three stack holders of our project. Administrator, Student and Teachers in an institute.

1.9 Risk List

Regarding the importance of risks, a list is maintained. Project risk management is useful and necessary as it helps with the early identification of problems. Proactive actions can be taken to overcome the problems.
Following risks are identified in current project:
Resource Risks:

People

Appropriate skills and experience for application developing.
Working as team together.
Believe in success of completion of project in time.

Time

Sufficient time to complete this project.
Scope and functionality manage to meet schedules.
Critical dates to submit deliverable.

Business Risks

Competitors launch this type of application in market first Meet application quality at market level.

Technical Risks :

Scope risks:

Measuring the success criteria.
Web portal may not seem user friendly to viewer.
Companies may not like our categories.

Companies may not provide relevant information
There is also a security risk to web site

Schedule Risks:

Schedule risks are integrated in some estimating and costing tools. For example in the Function Point analysis model, many of the cost drivers such as:

Cost may exceed then our estimate
We may not able to meet our specific deadlines of milestones of project
Availability of good tools and experience in using those tools.

**********REQUIREMENTS ENGINEERING**********

1 Introduction

1 Introduction:

Requirement Engineering is very important and somehow critical phase of software development life cycle because gathering correct, complete and valid requirements is a tiresome work to do.

We are developing an application, which provides facility to the common public arrange any event easily with getting best possible deals available in the location regarding event arrangement and it will also facilitate companies involved in event organizing related business to convey their latest deals to public through proper platform.

Requirement Engineering shall lead us doing requirement elicitation and requirements specification that would lead to the following four steps:

Identify External Interfaces

Development of Context Diagram

Capture “Shall” Statements

Allocate Requirements

Prioritize requirements

Development of requirements trace-ability matrix

Gathering correct and complete requirements is not very easy task. Sometimes we interpret things differently which results in problems. Requirement elicitation technique which we have used for our application is as follow:

Observation:

We have observed that which type of problems are faced by teachers and students of an institute when the have to share study materials like teacher want to share material in their folders but that can not be accessed outside the university. There is no common platform for all teachers to put all their recommended study material for all university material.

\

1.1 Systems Specifications

The following are the clauses that must be included while describing the system specifications.

Introduction:

STS portal is the website to provide common platform for teachers and students for interacting and portable access through variety of locations.

It will help in learning of concepts of programming to the beginners from any area of the world. System objectives is of being in significant way by providing most basic and most essential functionalities and features to its users in efficient and effective manner.

Existing System:

There wasn't any proper platform available like this. There is no platform for teachers to post their study material in their folders and students access them outside the university like in pucit . the teachers folder only access within the uni . and there is no plagiarism checking system for checking programming assignments for plagiarism .

Students can post assignments in folders within the deadline and after deadline assignment's plagiarism checked by teachers by plagiarism system and give marks according to plagiarism report.

Scope of the System:

Our application 'Catering Ready' is divided in to three phases.

Phase I

Phase I includes following design areas:

Basic Interface Designing
Login screen
User Interface Design
Application Settings

Phase II

Phase II involves the alpha release of the application after the development. Phase II includes following business areas:

Managing User Data
Database Development
Complete User Interface.
Web Store integration.
Alpha Release

Phase III

Phase III covers a complete release of Catering Ready application.

Phase III includes remaining business areas which are not developed in previous phases.

Component Testing
Code Testing
Object Oriented Design Testing
Session Hijack Testing
Beta Release

Summary of Requirements Initial Requirements

Search for Folders:

There will be teachers folders on website. Teachers folders are there on websites accessible by students and teachers .Teacher can upload lectures assignments and

marks sheets there and students can download and submit assignments within deadline.

Sign up of Students and Teachers:

First students and teachers of an institute like pucit will sign up for their registration verified by admin . so that they can access website .

Login of Students and Teachers:

After verification from admin , teachers and students can Login to site for using the portal.

Post by Teachers (Study Material):

Teachers can post announcement for their students and can upload assignments ,files and mark sheets to their folders . Assignments submitted by students can be checked for plagiarism by plagiarism report and marks them according to that.

Post by Students:

Students can post there queries to their teachers and submit their assignments to their respective teachers folders.

Verification by admin:

Admin will verify students and teachers after they sign up . admin will manage teachers and students on website .

1.2 Identifying External Entities

The Identification of External Entities is done in two phases.

Over Specify Entities from Abstract

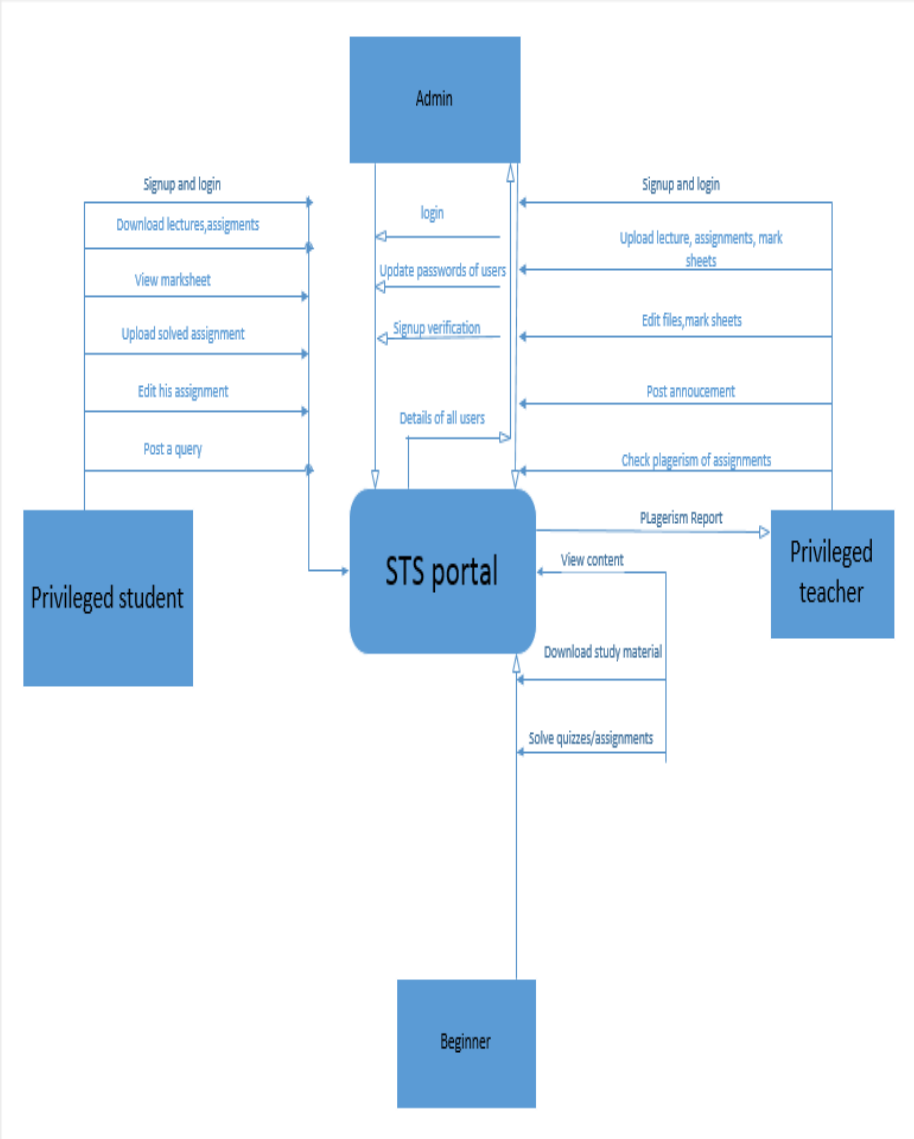
Beginners
Students
Teachers
Database
Plagiarism system
Verification request

Perform Refinement

After performing refinement on the above entities, following are the ones more related to our business logic.

Administraton

1.3 Context Level Data Flow Diagram



1.8 Example

We are taking the system of STS portal

1.8.9 Capture "shall" Statements and the external entities (Actors)

Para #	External Entity	Initial Requirements
1.0	Viewer	A viewer “shall” visit website.
1.0	Viewer	A privileged student/teacher “shall” register himself to the system
1.0	Viewer	Any viewer “shall” view and download all helping content uploaded publically for the beginners
1.0	Viewer	Privileged Student/teacher “shall” register if he’s linked to specific university and shall register through that email-id (provided by university).
1.0	Admin	Admin “shall” verify and confirm the university email of the privileged students/teacher.
2.0	Privileged Student	A privileged student “shall” login to the system
3.0	Privileged teacher	A privileged teacher “shall” login to the system
2.0	Previlgd student	Previlged students “shall” download material from teachers folder
2.0	Privileged student	Privileged Student “shall “view mark sheet, quizzes and assignments uploaded by their specific teachers.
2.0	Privileged student	Privileged Student “shall” upload the assignments within the given deadline in specific teacher folder
2.0	Privileged student	Privileged Student “shall” delete the assignments within the given deadline in specific teacher folder
2.0	Privileged student	Privileged student s “shall “edit assignments before the deadline ends.
1.0	System	System “shall” verify the assignments uploaded by privileged students after the deadline ends.
1.0	System	System “shall” send the plagiarism report to the teacher after the verification of assignments

2.0	Privileged student	Privileged student "shall" post any query on the website
2.0	Privileged student	Privileged student "shall" comment below the teachers post
3.0	Privileged teacher	A privileged teacher "shall" login to the system
3.0	Privileged teacher	A privileged teacher "shall" upload assignments, edit mark sheet, lectures, video tutorial in his specific folder.
3.0	Privileged teacher	A privileged teacher "shall" edit files, mark sheets uploaded by him.

1.8.10 Allocate Requirements

Para #	Initial Requirements	Use Case Name
1.0	Viewer can download the course material and helping material uploaded Publically for beginners of world.	UC_Beginners
1.0	A privilege student/teacher "will" signup	UC_SignUp
1.0	Admin "will" verify the university email of privileged student/teacher	UC_Verify_Registration
2.0	A privileged student "will" login to the system.	UC_Student_Login
3.0	A privileged teacher "will" login to the system.	UC_Teacher_Login
3.0	Privileged teacher "will" upload the assignments ,lectures ,mark sheets etc.	UC_Upload_Content
3.0	A privileged teacher "will" edit assignments, edit mark sheet, lectures, video tutorial in his specific folder	UC_Edit_Content

3.0	A privileged teacher “will” delete assignments, mark sheet, lectures, video tutorial in his specific folder	UC_Delete_Content
2.0	Privileged student “will” access teacher folder and view the mark sheet.	UC_View_Content
2.0	Preveliged student “will” access teacher folder and download the lectures, assignments.	UC_Download_Content
2.0	Privileged student “will” upload the solved assignment within deadline	UC_Upload_Assignment
2.0	Privileged student “will” edit his uploaded assignment within deadline	UC_edit_Assignment
2.0	Privileged student “will” delete his uploaded assignment within deadline	UC_Delete_Assignment
1.0	System “shall” process assignments plagiarism	UC_Check_Plagerism
1.0	System shall send plagiarism report to the teacher	UC_Plagerism_Report
2.0	Privileged student “will” post any query on the website	UC_Student_Post
3.0	Teacher “will” post announcement on the website	UC_Teacher_Post
3.0	A privileged teacher “will” reply to students query.	UC-Teacher_Reply
2.0	A privileged student “will” comment to teacher’s announcements.	UC_Student_Coment
1.0	An admin “will” login	UC_Admin_Login

1.8.11 Priorities Requirements

Para #	**Rank**	**Initial Requirements**	**Use Case ID**	**Use Case Name**
1.0	Highest	A privileged student/teacher “will” signup	UC_1	UC_SignUp

3.0	Highest	Privileged teacher “will” upload the assignments ,lectures ,mark sheets etc.	UC_2	UC_Upload_Content
2.0	Highest	Privileged student “will” access teacher folder and download the lectures, assignments.	UC_3	UC_Download_Content
2.0	Highest	Privileged student “will” upload the solved assignment within deadline	UC_4	UC_Upload_Assignment
1.0	Highest	System “shall” process assignments plagiarism	UC_5	UC_Check_Plagerism
3.0	Highest	Teacher “will” post announcement on the website	UC-6	UC_Teacher_Post
2.0	Highest	Privileged student “will” post any query on the website	UC-7	UC_Student_Post
1.0	Highest	Admin “will” update password when a request is placed for password update.	UC_8	UC_Update_Password
1.0	Highest	Viewer can download the course material	UC_9	UC_Beginners

		and helping material uploaded Publically for beginners of world.		
1.0	Highest	Admin “will” verify the list of ids, linked to specific university(who wants to sign up by their university id)	UC-10	UC_Verify_Signup
1.0	Medium	Admin “will” verify the university email of privileged student/teacher	UC_11	UC_Verify_Registration
2.0	Medium	Privileged student “will” edit his uploaded assignment within deadline.	UC_12	UC_edit_Assignment
3.0	Medium	A privileged teacher “will” edit assignments, edit mark sheet, lectures, video tutorial in his specific folder	UC_13	UC_Edit_Content
2.0	Medium	Privileged student “will” delete his uploaded assignment within deadline	UC-14	UC_Delete_Assignment

3.0	Medium	A privileged teacher “will” delete assignments, mark sheet, lectures, video tutorial in his specific folder	UC-15	UC_Delete_Content
1.0	Medium	System shall send plagiarism report to the teacher	UC-16	UC_Plagerism_Report
3.0	Lowest	A privileged teacher “will” login to the system.	UC_17	UC_Teacher_Login,
2.0	Lowest	A privileged student “will” login to the system.	UC_17	UC_Student_Login,

1.8.12 Requirements Traceability Matrix

Sr#	Para #	System Specification Text	Build	Use Case Name	Category
1	1.0	A customer “will” place order for goods	B1	UC_Place_Order	Business
2	1.0	A customer “shall” register himself to the system	B1	UC_Registration_Request	Business
3	1.0	The system “shall” provide two types of	B1	UC_PlaceOrderRequest, UC_PlaceCustomerRequest	Business

		registration process, normal and privileged			
4	1.0	CA "shall"accept, reject and temporarily waive the requests on the basis of credentials provided.	B1	UC_Accept_Customer_Request UC_Reject_Customer_Request UC_View_Customer_Request	Business
5	1.0	A customer "shall" login to the system and can change his password	B1	UC_Login,	Business
6	1.0	System "shall" update the customers Request	B1	UC_Update_Request	Business
7	1.0	System "shall" process different types of updating e.g. updating of his personal/shipping details, or upgrading of his status from registered to privileged customer, or updating of his payment methodology	B1	UC_Change_Payment_Details, UC_Change_Status, UC_Change_Personal_Details	Business
8	1.0	A customer "shall" view his details for verification purposes	B1	UC_View_Customer_Details	Business
9	1.0	System "shall" search any customer details	B1	UC_SearchCustomer	Business
10	2.0	Both registered and privileged customers	B1	UC_Place_Order_Privellged	Business

		"will"order for goods.			
11	2.0	Customer "will" make payment; either through cash or through a credit card	B1	UC_Pay_For_Order	Business
12	2.0	System "will" generate invoice, confirmation receipt and finally will place order	B1	UC_Invoice_Generation	Business

1.9 High Level Use Case Diagram