Business Requirements Document [BRD]

Assignment 2Do

Deerwalk Institute of Technology

Version 0.1

Abhishek Gupta

Table of Contents

VERSION AND APPROVALS

VERSION HISTORY

Version #	Date	Revised By	Reason for Change
0.1		Abhishek Gupta	"First version"

This document has been approved as the official Business Requirements Document for Assignment 2Do, mentioned as Assignment 2Do hereafter, and accurately reflects the current understanding of business requirements. After approval of this document, requirement changes will be governed by the project's change management process, including impact analysis, appropriate reviews and approvals.

DOCUMENT APPROVALS

Approver Name	Project Role	Signature/Electronic Approval	Date
Craig Appl	Mentor	*Craig Appl*	2 Dec 2014

Glossary of Terms

Term/Acronym	Definition
DWIT	Deerwalk Institute Of Technology
2Do	To Do

PROJECT DETAILS

Project Name	Assignment 2Do - The Assignment Tracker
Project Type	NEW INITIATTIVE
Project Start Date	06/24/2014
Project End Date	
Project Sponsor	Deerwalk Institute of Technology

EXECUTIVE SUMMARY

Students of DWIT experience a high volume of assignments through their tenure at the college. Assignments provided to students are distributed in many ways. It is difficult for students to keep a proper record of all the assignments, so that they can complete the assignments before the deadline.

The Assignment 2Do will help students get the assignment details assigned to them in a systematic manner. It will prioritize assignments according to their deadlines with the closest deadline appearing first in the list. It will act as a centralized platform of all assignments from where students can take reference about upcoming assignment and their details in order to start and complete their assignments on time.

In the end, it will serve students as a common portal where they obtain the information about approaching assignments. Assignment 2Do will also help students to keep record of the overall status of assignment they have done.

DOCUMENT RESOURCES

Name	Business Unit	Role
Students	Students of DWIT	The user who can view the assignment list and cheklist the assignment he/she has done
Authorized Stuents	Class Representatives from each section of all batchees	The user who can update the assignment list
Admin	A member from college administration	The user who configures this systems and maintain security level

VISION AND SCOPE

4.1 Project Overview and Background

Background

Sometimes, it is hardly possible to maintain a proper record of all the assignments when multiple assignments are due. It is difficult for students to figure out the assignments they must complete first in order meet their deadlines. Since, a lot of the assignments are assigned by teacher the task of keeping track of the assignments becomes more difficult. The current process followed by most of the students is to keep a record of the assignments in a notebook or diary. But, this method has not helped students well enough to prioritize the

assignments according to deadlines and searching the details of the assignment in a diary or notebook is time consuming too. Since, the assignments are not priotorized, sometimes students fail to submit the assignments on deadline, which results in getting low internal marks.

Business Opportunity

Students of DWIT will immediately benefit from the creation of Assignment 2Do because it will save time in keeping a record of assignments. Beyond the immediate benefit to DWIT, Assignment 2Do has a business opportunity for students of other colleges in Nepal. Almost all of the colleges will give assignments to their students. The business opportunity will first focus on the Bachelors level, but can ultimately span high school to university.

Market research may identify outside customers who may benefit from this software solution.

Customer Needs

The demand for such software cannot be underlined enough. Students require a concentrated service to keep track of the assignments they have done and need to be done. It will help students to recall the assignments and their approaching deadline. This application will help them prioritize assignments and plan time for assignments accordingly.

4.2 Scope of Initial Release and Future Releases

Feature	Initial Release	Future Releases
Configure the system	Administrator	
User Management	Administrator	
Login/Logout	Administrator/Authorized Students /Students	
Update assignments	Authorized Students	
View assignments	Administrator/Authorized Students /Students	
Notification/Reminder		Students
Checklist assigments	Students	

4.2.1 Limitations and Exclusions

Limitations	Exclusions
Only authorized students can update assignments	No Mobile Versions in this initial release.
Assignments have to be updated manually on a daily basis.	No auto Notification/Reminder

4.3 Project Dependencies

- This project cannot proceed without an APPROVAL from the college administration to carry on with the project.

- The Assignment 2Do should be able to make use of the standard schema so that it can be made easily pluggable.

4.4 Stakeholders and their Profiles

The following comprises the internal and external stakeholders whose requirements are represented by this document:

	Stakeholder	Major Value	Major Interests
1.	Students	Get information about assignments	Saves a lot of time and also enables them to prioritize assignments.
2.	Authorized Students	Updates the assignment list	Saves a lot of effort of keeping records and informing all the students about assignments

4.5 Project Timeline

	Phase	**Timeline**
1.	Write the Software Requirements Specification	3/15/2015
2.	Develop initial phase	6/15/2015
3.	Write BRD and SRS for future releases	TBD

KEY ASSUMPTIONS AND CONSTRAINTS

5.1 User Load

I anticipate that all DWIT students of DWIT and Class Represntatives will use the application system. The maximum number of students users is 135 which comprises of 4 Class Representatives and 1 system administraton totaling 136 total users.

5.2 Key Assumptions and Constraints

#	**Assumptions**
1	All the stakeholders will have access to this system 24x7x365.
2	All the stakeholders will be comfortable using the web application.
3	All stakeholders will be able to use it.
4	Assignments will be updated whenever required by class representatives.
#	**Constraints**
1	This is not a fully dependable system that provides end to end solutions as the validity of

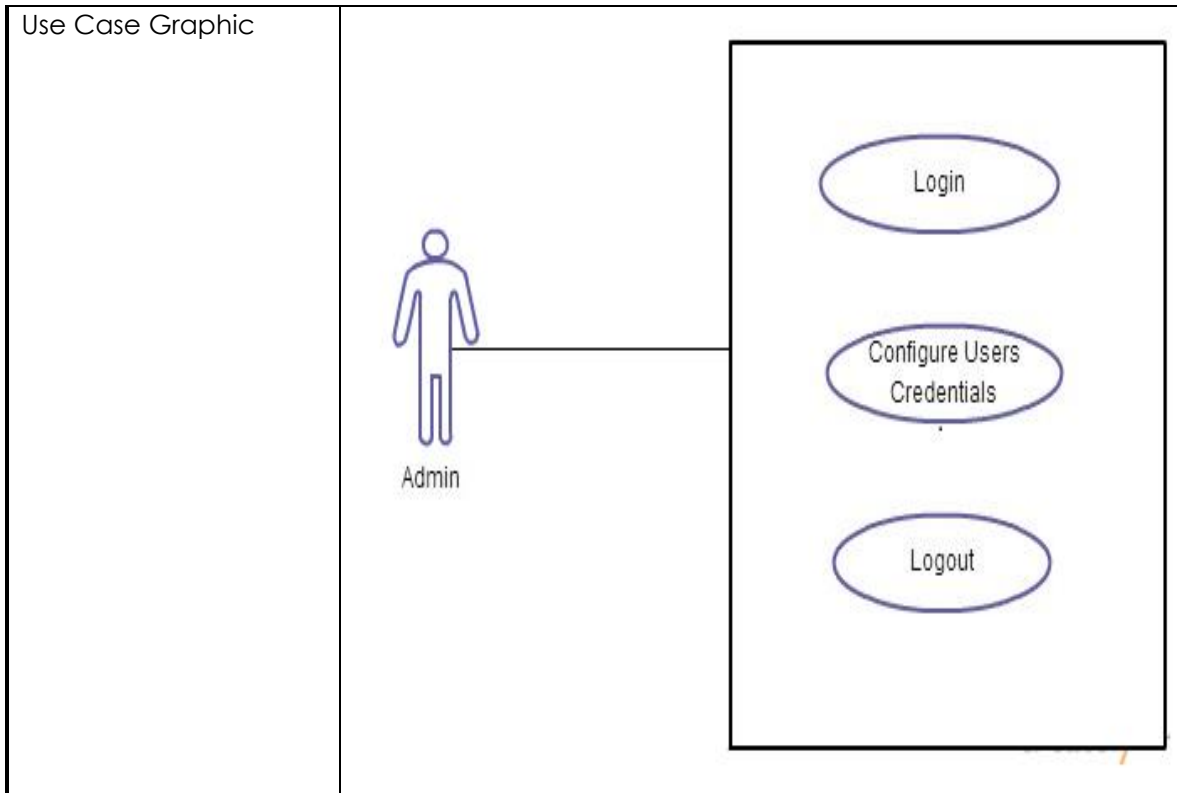|	
	assignments solely depends on authorized students
2	Since its web application, one cannot expect to work perfectly on all browser platfoms.
3	This software will need to operate with other college systems. However, we are not yet proposing an integration effort other than Google Apps Authentication Service. Future releases will involve this integration.

5.3 Major Features

Feature Code	Use Case ID	Feature description
FE -1	UC-1	CREATE USER CREDENTIALS
FE – 2	UC – 2	UPDATE AND VIEW ASSIGNMENTS
FE - 3	UC - 3	VIEW AND CHECKLIST ASSIGNMENTS

USE CASES

Use Case ID:	UC -1		
Use Case Name:	USER CONFIGURATION		
Created By:	Abhsishek Gupta	Last Updated By:	Abhsishek Gupta
Date Created:	06/25/2014	Date Last Updated:	06/25/2014

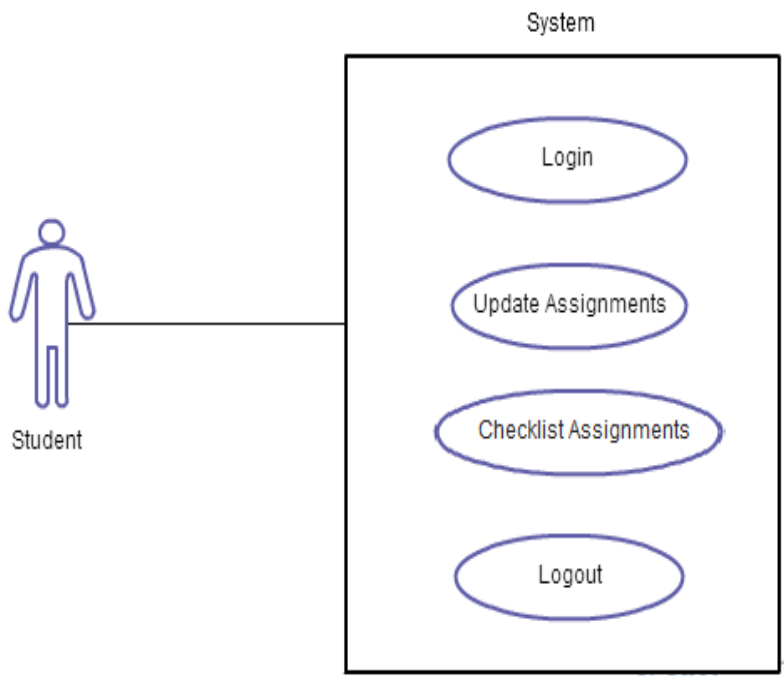| Actors:	ADMINISTRATOR
Description:	CREATE USER CREDENTAILS TO LOGIN TO THE SYSTEM
Preconditions:	Connected to the Internet with launched Assginment 2Do web application
Postconditions:	User logins to the Assginment 2Do application
Normal Course:	1. Receivers welcome message 2. Login to the application. 3. Create credential of all the users(Students / Authorized Students). 4. Logout of the system.
Alternative Courses:	Sees an error message based on password mismatch or non-existence of the user
Exceptions:	NONE
Includes:	
Priority:	HIGH
Frequency of Use:	Once before start of a new semester
Business Rules	BR-1
Special Requirements:	• 24/7 access • Supported by Google Chrome and Mozilla Firefox web browsers
Assumptions:	Supported by the latest versions of Google Chrome and Mozilla Firefox
Notes and Issues:	

Use Case Graphic	

Use Case ID:	UC -2		
Use Case Name:	UPDATE AND VIEW ASSIGNMENTS		
Created By:	Abhishek Gupta	Last Updated By:	Abhishek Gupta
Date Created:	06/25/2014	Date Last Updated:	06/25/2014

Actors:	AUTHORIZED STUDENT
Description:	Update and view the assignments
Preconditions:	Connected to the Internet with launched Assginment 2Do web application
Postconditions:	User logins to the Assignment 2Do Application
Normal Course: NORMAL USER	1. Receives welcome message 2. Login to the system 3. Update assignments 4. View assignmets 5. Get notification 6. Logout of the system
Alternative Courses:	Sees an error message if applicaton is unable to open
Exceptions:	None
ncludes	UC-3
Priority:	High
Frequency of Use:	Once per visit.
Business Rules	BR – 2, BR – 3, BR – 4, BR - 5
Special Requirements:	• 24/7 access

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	• Supported by Google Chrome and Mozilla Firefox web browsers
Assumptions:	Supported by the latest versions of Google Chrome and Mozilla Firefox
Notes and Issues:	
Use Case Graphic	

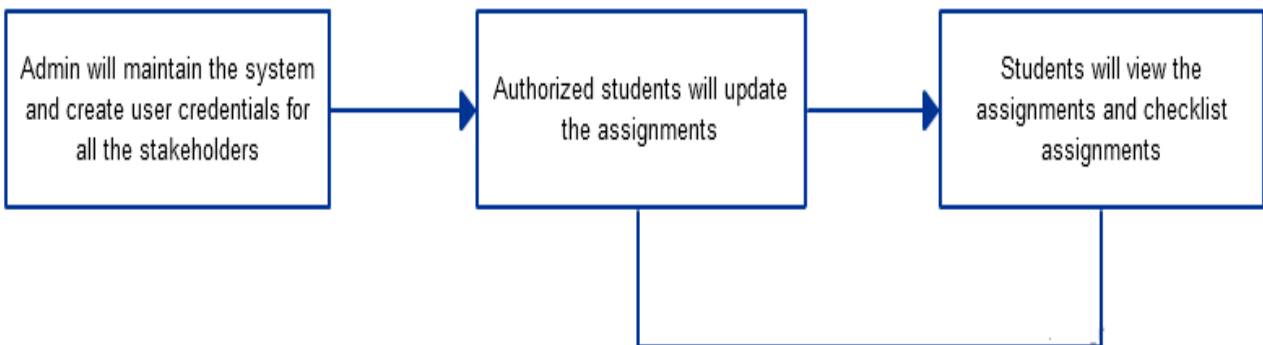| Use Case ID:	UC -3		
Use Case Name:	VIEW AND CHECKLIST ASSIGNMENTS		
Created By:	Abhishek Gupta	Last Updated By:	Abhishek Gupta
Date Created:	06/25/2014	Date Last Updated:	06/25/2014

Actors:	STUDENT
Description:	Update the assignmets
Preconditions:	Connected to the Internet with launched Assginment 2Do web application
Postconditions:	User logins to the Assignment 2Do Application
Normal Course: NORMAL USER	1. Receives welcome message 2. Login to the system 3. View assignments 4. Checklist assignments 5. Logout of the system
Alternative Courses:	Sees an error message if applicaton is unable to open
Exceptions:	None
Priority:	High
Frequency of Use:	Once per visit.
Business Rules	*BR – 4, BR - 6*
Special Requirements:	• 24/7 access • Supported by Google Chrome and Mozilla Firefox web browsers

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Assumptions:	Supported by the latest versions of Google Chrome and Mozilla Firefox
Notes and Issues:	
Use Case Graphic	

BUSINESS REQUIREMENTS

Business Process Flows

Business Rules Catalog

Business Rule Name:	Configure User Credential
Identifier	*BR - 1*
Description	Create user credential with password for all the students. Select the authorized student for each semester and give them authority to upload and view the assignments. Enter the courses taught in the college of each semester. Assign course, batch and semester to all the students.
Source	Admin
Related Rules	None

Business Rule Name:	Update Assignment
Identifier	*BR - 2*
Description	Select the course, batch, and section. Select the semester and subject. Fill the assignment form and submit.
Source	Authorized Students
Related Rules	BR - 5

Business Rule Name:	Prioritize Assignment
Identifier	*BR - 3*
Description	An assignment which has less time remaining until the deadline will have highest priority and an assignment which has exceeded the submission date from long time will have less priority.
Example	Suppose there are 3 assignments A, B and C. Assignment A submission deadline is 7/3/2014, Assignment B submission deadline is 7/13/2014 and Assignment C submission deadline is 7/4/2014. And if today's date is 7/2/2014 then A will be the fist in assignment list, then C and B.
Source	Authorized Students
Related Rules	BR - 4

Business Rule Name:	View Assignment
Identifier	*BR - 4*
Description	Select semester and section. Display prioritized assignment list.
Source	Authorized Students, STUDENTS
Related Rules	BR - 3

Business Rule Name:	Assignment Form
Identifier	*BR - 5*
Description	Enter assignment date, assignment questions, course, semester, section, submission date and submission time.
Example	Assignment date: 07/13/2014 Assignment questions: What do you mean by Hardware and Software Terminal? Describe in brief. Course: CSC 304 – Operating System Semester: Third Section: A Submission date: 07/06/2014

	Submission time: 5:00 PM
Source	Authorized Students
Related Rules	BR - 2

Business Rule Name:	Checklist
Identifier	*BR - 6*
Description	Double click the assignment question field which will modify the background color of that whole row that will contemplate that the designation has been completed.
Source	Students
Related Rules	None