



**Project management - I3330**

**CREATION OF A WEB APPLICATION THAT  
IMPLEMENT ONLINE COURSES**

**A . Y . N . I . O . P**

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## Chapter 1: Introduction

In this project, we're aiming to create a website which will be used by the Lebanese University's students, and which will allow them to access all the files and documents that may concern their domain. The website will cover three main ideas: Account creation & management, Document sharing, and Document access.

In the Account Creation section, the user will either create a professor account, or a student account. When creating an account, the user will have to answer multiple and different questions to verify his identity and clarify his domain and academic year, etc. The user will also have to add his email and verify it later on to proceed in further steps. Both accounts will have different rights and jobs to do in the website, while they may share some similarities in some parts.

The Document sharing & Document access sections will allow the professor to upload, view, edit, and delete documents, files, videos, etc. while they will limit the student to only viewing and downloading contents. Both sides share the part of contacting the admins in case any error or abnormal behavior is noticed, and editing few specified personal information.

The ultimate goal of the website is to make life a little bit easier for students and professors in the Lebanese University, letting them access & share any information or requirement for any academic year on anytime and anyplace, whenever they need to!



## Chapter 2: Project Charter

General Project Information	
<b><i>Project Name:</i></b>	<b>All You Need In One Place : A.Y.N.I.O.P</b>
<b><i>Project Title:</i></b>	<b>Creation of a web application that implement online courses</b>
<b><i>Impact of project:</i></b>	<b>Very helpful for lebanese university students</b>
Project Description	
<p>The project's goal is to develop a website which will be used by Lebanese University. This website allows the students to access all the files and documents that may concern their domain.</p> <p>Therefore, the ultimate purpose of the site is to include all the requirements that any LU student may need during his academic years in one place and make it easier for him to access them in anytime or any place, whenever he needs to.</p>	
Objectives	
<p>The project will be considered a success if the team delivers a functional, reliable, and well-documented within the timeline outlined below.</p>	
Scope	
<p>The software will allow the users to create an account as a professor or as a student.</p> <p>The professor will be able to upload, edit and delete documents, while the student will only have the rights to view and download the documents. The document will be displayed based on the domain, subject and academic year of the student.</p>	
Vision	
<p>The project will create a simple way for the student to obtain all the documents uploaded by professors.</p>	



Project Milestones			
Event or Deliverable	Target Date	Responsibility	
Assemble project team	May 8, 2020	Project Manager	
Project charter approved	May 15, 2020	Project Manager	
Project plan completed	June 5, 2020	Project Manager and Design Lead	
Project plan approved	June 10, 2020	Project Manager	
System design completed	June 30, 2020	Design and Development Lead	
Test plan completed	July 20, 2020	Quality Assurance and Testing Lead	
Customer acceptance	August 14, 2020	Quality Assurance and Testing Lead	
Project closed out	August 18, 2020	Project Manager	
Major Known Risks			
Risk	Probability	Impact	Mitigation
Project fails	Low	Severe	Start early and stick to an organized plan. Seek help as soon as any problems arise
Software has negative effect on system or users	Low	Medium to severe	Rigorous testing
Software poses a security risk	Medium	Severe	Limit access to resources



### Constraints

<i><b>Dimension</b></i>	<i><b>Constraint</b></i>	<i><b>Driver</b></i>	<i><b>Degree of Freedom</b></i>
<b>Features</b>	Final product must display document uploaded by the professor. It must also give the ability to view and download the documents (high priority). A message between the student and the professor is non-essential (low priority).	To focus on high priority features, and design the software such that other features can be easily added at a later date.	100% of high priority features must be included in. 50% of low priority features may be included.
<b>Quality</b>	Final product must be industrial strength. The quality will be constrained by the abilities of the development team.	To produce a product with as few bugs as possible.	90-95% of tests must pass.
<b>Cost</b>	The team and hardware will be provided; aside from that there is no further budget.	To use developer-hours wisely.	No degrees of freedom.
<b>Schedule</b>	The schedule outlined below is fixed.	The final product must be complete by August 10, 2020.	Some milestones may be delivered late, with no effect on the quality of the final product.
<b>Staff</b>	Maximum team size is 4. All staff have other commitments outside the project.	To assign work to the team member which can complete it most efficiently.	No degrees of freedom.

### External Dependencies

- 1: Submitted jobs will have a nominal memory requirement.
- 2: Submitted jobs will finish in a finite amount of time.

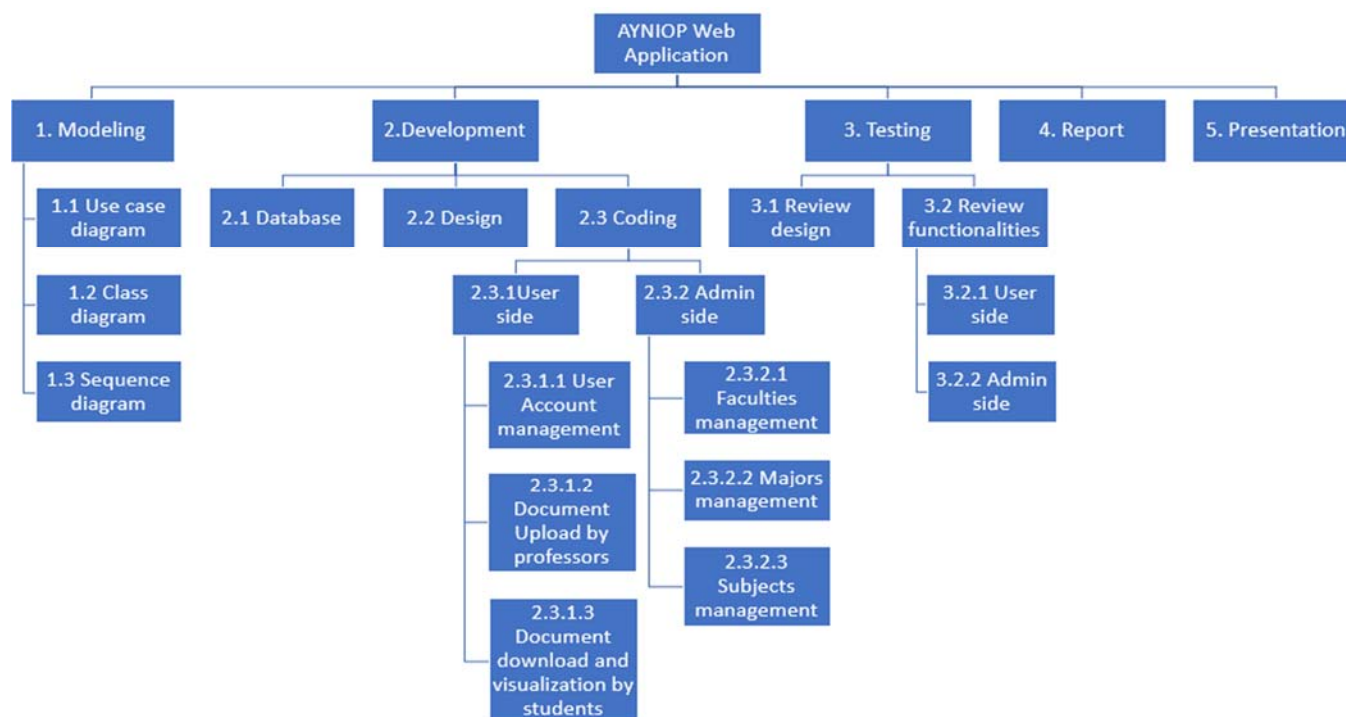
### Resources

<i><b>Resource</b></i>	<i><b>Description and Source</b></i>
Development team	The development team consists of 4 people. Between them they will share the roles of Project Manager, Design Lead, Development Lead, Inspection Lead, Configuration Management Lead, and Quality Assurance and Testing Lead. Furthermore, all will help with coding and testing.
Software engineering training	All members of the team are attending classes about software engineering in Lebanese university.



## Chapter 3: Planning Diagrams

### 3.1 Work Breakdown Structure

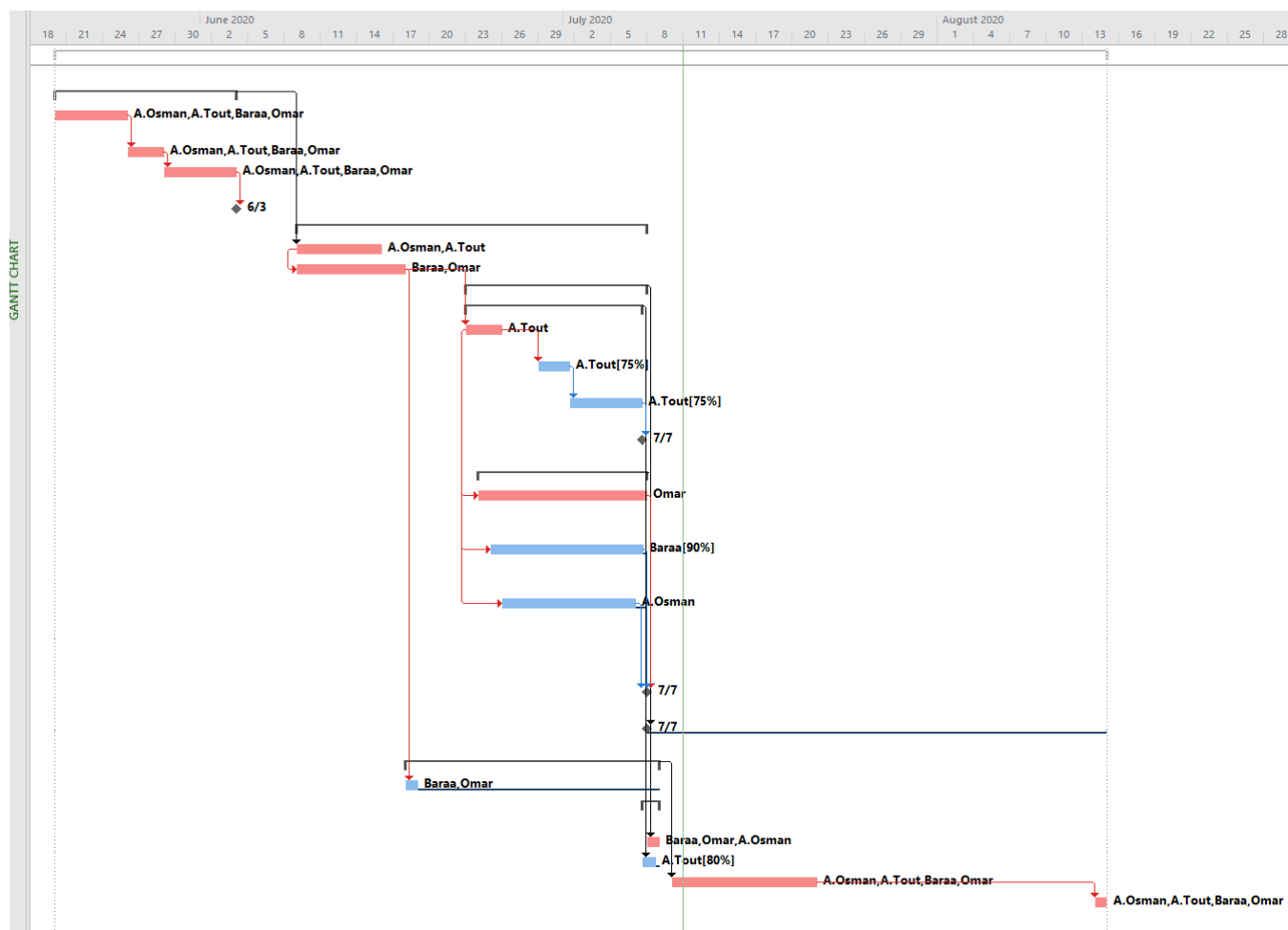




### 3.2 Gantt Chart

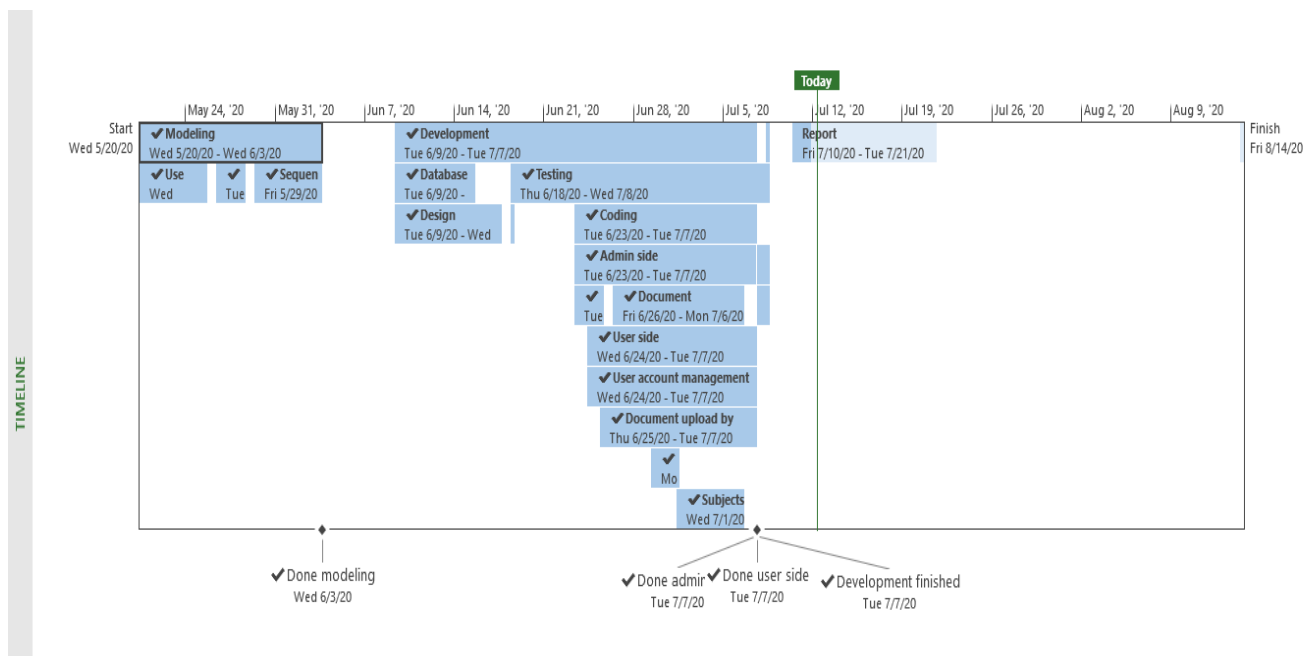
	i	Task Mode	WBS	Task Name	Work	Duration	Start	Finish	Predecessors	Resource Names	Budget Work
0			0	AYNIOP	1,144 hrs	63 days	Wed 5/20/20	Fri 8/14/20		BW	1,050 hrs
1											
2			1	Modeling	352 hrs	11 days	Wed 5/20/20	Wed 6/3/20			
3			1.1	Use case diagram	128 hrs	4 days	Wed 5/20/20	Mon 5/25/20		A.Osman,A.Tout,Baraa,Omar	
4			1.2	Class diagram	96 hrs	3 days	Tue 5/26/20	Thu 5/28/20	3	A.Osman,A.Tout,Baraa,Omar	
5			1.3	Sequence diagram	128 hrs	4 days	Fri 5/29/20	Wed 6/3/20	4	A.Osman,A.Tout,Baraa,Omar	
6			1.4	Done modeling	0 hrs	0 days	Wed 6/3/20	Wed 6/3/20	5		
7			2	Development	456 hrs	21 days	Tue 6/9/20	Tue 7/7/20			
8			2.1	Database	80 hrs	5 days	Tue 6/9/20	Mon 6/15/20	2FS+3 days	A.Osman,A.Tout	
9			2.2	Design	112 hrs	7 days	Tue 6/9/20	Wed 6/17/20	8SS	Baraa,Omar	
10			2.3	Coding	264 hrs	11 days	Tue 6/23/20	Tue 7/7/20			
11			2.3.1	Admin side	64 hrs	10.67 days	Tue 6/23/20	Tue 7/7/20			
12			2.3.1.1	Faculties management	24 hrs	3 days	Tue 6/23/20	Thu 6/25/20	9FS+3 days	A.Tout	
13			2.3.1.2	Majors management	16 hrs	2.67 days	Mon 6/29/20	Wed 7/1/20	12FS+1 day	A.Tout[75%]	
14			2.3.1.3	Subjects management	24 hrs	4 days	Wed 7/1/20	Tue 7/7/20	13	A.Tout[75%]	
15			2.3.1.4	Done admin side	0 hrs	0 days	Tue 7/7/20	Tue 7/7/20	14		
16			2.3.2	User side	200 hrs	10 days	Wed 6/24/20	Tue 7/7/20			
17			2.3.2.1	User account management	80 hrs	10 days	Wed 6/24/20	Tue 7/7/20	12SS+1 day	Omar	
18			2.3.2.2	Document upload by professors	64 hrs	8.89 days	Thu 6/25/20	Tue 7/7/20	12SS+2 days	Baraa[90%]	
19			2.3.2.3	Document download and visualization by students	56 hrs	7 days	Fri 6/26/20	Mon 7/6/20	12SS+3 days	A.Osman	
20			2.3.2.4	Done user side	0 hrs	0 days	Tue 7/7/20	Tue 7/7/20	17,18,19		
21			2.4	Development finished	0 hrs	0 days	Tue 7/7/20	Tue 7/7/20	10		
22			3	Testing	48 hrs	15 days	Thu 6/18/20	Wed 7/8/20			
23			3.1	Review design	16 hrs	1 day	Thu 6/18/20	Thu 6/18/20	9	Baraa,Omar	
24			3.2	Review functionalities	32 hrs	1.33 days	Tue 7/7/20	Wed 7/8/20			
25			3.2.1	User side	24 hrs	1 day	Wed 7/8/20	Wed 7/8/20	16	Baraa,Omar,A.Osman	
26			3.2.2	Admin side	8 hrs	1.25 days	Tue 7/7/20	Wed 7/8/20	11	A.Tout[80%]	
27			4	Report	256 hrs	8 days	Fri 7/10/20	Tue 7/21/20	22FS+1 day	A.Osman,A.Tout,Baraa,Omar	
28			5	Presentation	32 hrs	1 day	Fri 8/14/20	Fri 8/14/20	27FS+17 days	A.Osman,A.Tout,Baraa,Omar	







### 3.3 Timeline





## Chapter 4: Progress Diagram

