



PROJECT PLAN

Course: Project Management



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By:

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Complete Submissions Link: [Project Management Submissions- Google Drive folder](#)

Draft a document that defines the following aspects of the given E – Commerce website:

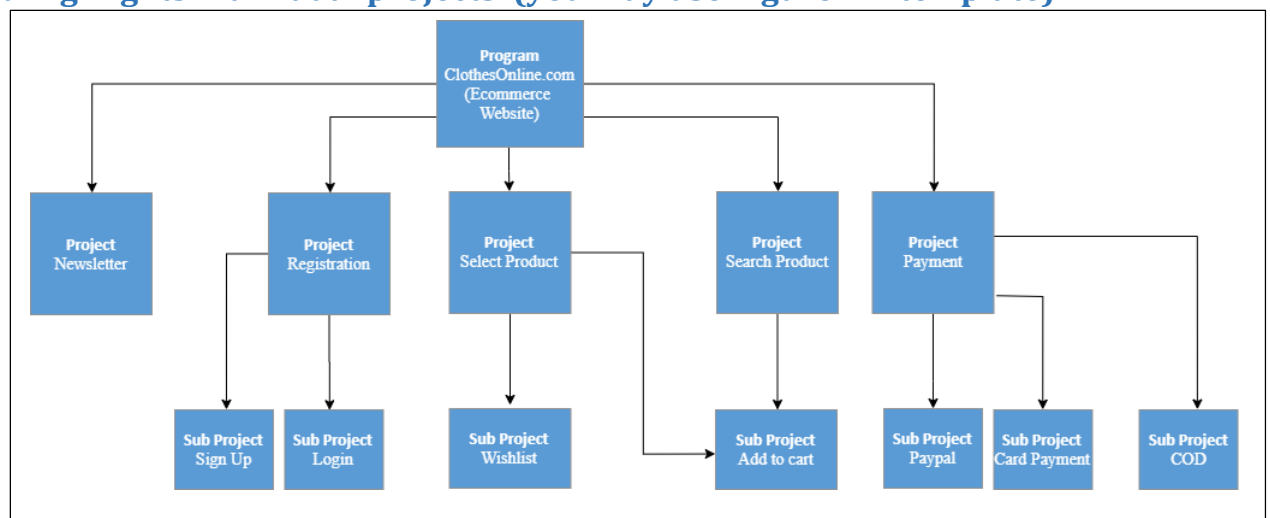
The Program is an E – commerce website, identify the sub projects in it.

Our e-commerce website is for selling cloths online. User can buy clothes from our website by searching as per his desire, demand and budget. **ClothesOnline.com** is our e-commerce website brand that deal with the whole cycle involving from the arrival of user on Website till the ending of sessions.

Sub-projects for our e-commerce website:

- Login
- Signup
- Add to cart
- PayPal
- Card Payment
- COD
- Newsletter
- Wishlist

Draw a diagram that shows the relationship between different sub projects and highlights individual projects. (you may use Figure 1.1 template)



Identify the stakeholders and their types.

The Stakeholders for our brand **ClothesOnline.com** are as follows:

1. Vendors - Sellers
2. Buyers - End-user
3. Payment partners - Business partner
4. Shipping partners - Business partner
5. Designers - Organizational partners
6. Web developers - Organizational partner
7. System owner - Sponsors
8. Social media - Business partners

Define the Program scope and the project(s) scope.

- A platform from where the goods can be bought and sold easily by paying online or on your doorstep
- A platform which can be competitive and easy to use as compared to other available E-commerce websites

Identify which strategic considerations are fulfilled through the project and how. (1.4.3)

- **Market demand:** On their smartphone People want to be able to browse the internet and access the information they need from their favorite devices without any headaches or second-guessing.
- **Customer request:** Making your online store layout intuitive for the visitor is a valuable way to draw their attention to the right places. For instance, organizing your products into logical categories and sub-categories, and making sure those categories are highly visible, will help shoppers quickly find the products that interest them most.
- **Technological advance:** Online shoppers want convenience, and they won't stick around if a page takes forever to load. The online shopping experience should be seamless and easy, especially since 40% of people will abandon a website that takes more than three seconds to load. In fact, a one second delay in page response can lead to a 7% decrease in conversions. Website convert to mobile application; we use high quality images and payment method.

Identify the requirements.

While identifying the requirements think of features you will suggest to add in order to enhance the requirement.

Functional	Non-Functional
Search	Performance
Add to cart	Efficiency
Product Images	Usability
Individual product page	Security
Reviews	Stability
Sign in/out	Transparency
Payment	Compatibility
Wish-list	Scalability
Social media icons	High Quality image
Discounts	
Checkout	
Progress bar	

Identify the Project Life Cycle that you think best suits the requirements.

Iteration and incremental life cycle - is best suit for that project as well as for program and for sub programs. Because in that life cycle we will make sure the scope, cost and objective step by step easily.

Based on the Project Life Cycle choose a Software Development Life Cycle.

Prototype (Iterative SDLC) methodology because we can use prototyping to ensure customer satisfaction. It is an ecommerce website which will need lots of modifications according to owner's perspective. For this reason, Prototyping SDLC methodology is best suited for our program.

Perform Requirement Engineering on the collected requirements.

- Items can be added to cart.
- Products details can be shown to individual pages.
- Registration process for user.
- Payment gateway in website to ensure customer satisfaction or COD option.
- User can search for products from search bar by name.
- Image of product needs to be of good quality. So, if zoom into picture it shouldn't pixelated.
- User can give his review about the product.
- Wish list for users to add products into wish list for later purchasing.
- Discount vouchers for user.
- Social media icons in website.
- Checkout page will need user data to process checkout. E.g. User details, card details.

Write story cards to explain the requirements at its best.

<p>New User</p> <p>As a:</p> <p>Guest</p> <p>I can:</p> <p>View products and see details of a specific product.</p> <p>Work:</p> <p>Products will be available to guest. Guest can see product description, reviews, and can add product to cart but needs to sign in before checkout.</p>	<p>Registration</p> <p>As a:</p> <p>New User</p> <p>I can:</p> <p>Signup for an account.</p> <p>Work:</p> <p>User will need to enter details to sign up like First Name, Last Name, Phone, Email, Password.</p> <p>Data will be saved into database in tblUsers table.</p> <p>Successful registration will redirect to login screen.</p>	<p>Login</p> <p>As a:</p> <p>Registered user</p> <p>I can:</p> <p>Sign in to account.</p> <p>Maintain profile.</p> <p>View products.</p> <p>Product description.</p> <p>Add products to cart.</p> <p>View Cart.</p> <p>Move to checkout page.</p> <p>Work:</p> <p>If the user has provided valid credentials, the details will be validated from database from tblUsers.</p> <p>If validated screen will be redirected dashboard.</p>
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<p>Search</p> <p>As a:</p> <p>Guest or Registered user</p> <p>I can:</p> <p>Search for different products.</p> <p>Work:</p> <p>Search queries will be matched from database from tblProducts.</p> <p>If product is available, show to user. Else show related products.</p>	<p>Products</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>View product description.</p> <p>View product ratings.</p> <p>Add product to cart.</p> <p>Work:</p> <p>Selected product will be shown into new page.</p> <p>Product details will be fetched from database from tblProducts.</p>
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<p>Cart</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>View my cart page.</p> <p>Total amount.</p> <p>Increase quantity in cart.</p> <p>Move to checkout.</p> <p>Work:</p> <p>Cart products will be saved in list with product name, quantity, price.</p> <p>Products details will be fetched from database from tblProducts.</p>	<p>Checkout</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>Process my checkout.</p> <p>Work:</p> <p>If user is logged in show to checkout page. Else redirect to sign in page.</p> <p>Checkout will require user details.</p> <p>Option will be shown to user for Online payment or COD.</p> <p>Checkout details will be saved into database in tblOrders.</p>	<p>Wish list</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>Add products to wish list.</p> <p>Access my wish list.</p> <p>Work:</p> <p>If user is logged in, wish list products will be shown to user. Else user will be redirected to sign in page.</p> <p>Wish list will be maintained into list.</p>
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<p>Social Media</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>Access website social media</p> <p>Work:</p> <p>Social media icons will be available in website. Linked with website social media pages.</p>	<p>Newsletter</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>Subscribe to newsletter to be updated for new promotions or deals.</p> <p>Work:</p> <p>Newsletter subscription box will be available to user. If they want to be notified whenever new promotion or deal is available.</p>	<p>logout</p> <p>As a:</p> <p>User</p> <p>I can:</p> <p>Checkout from my account.</p> <p>Work:</p> <p>Users can logout via logout button.</p> <p>User will be redirected to dashboard. User will need to login again to access account.</p>
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Online Payment

As an:

User

I can:

Pay amount for my cart via Online.

Work:

User can pay their amount online via different payment methods.

In orders table tblOrders, payment will be shown completed.

Offline Payment

As an:

User

I can:

Pay amount for my cart via COD.

Work:

User can pay their amount by selecting COD.

In orders table tblOrders, payment will be shown COD.

Admin Panel

As an:

Admin

I can:

Access admin panel.

Work:

Admin can access admin panel with valid credentials.

Credentials will be match with database data from tblAdmin.

If credentials are correct, admin will be redirected to admin panel, else show error for invalid credentials.

Manage Products

As an:

Admin

I can:

Add new products.

Delete products.

Update products.

Work:

After valid credentials, admin can add new products to tblProducts with product name, description, image, price.

Admin can delete products from tblProducts.

Admin can update product details in tblProducts.

New Orders

As an:

Admin

I can:

See new orders.

Mark orders complete.

Work:

Admin can view new orders from admin panel.

Orders will be loaded from tblOrders table.

Admin can mark orders completed.
Completed orders will be marked complete in database table tblOrders.

Logout

As an:

Admin

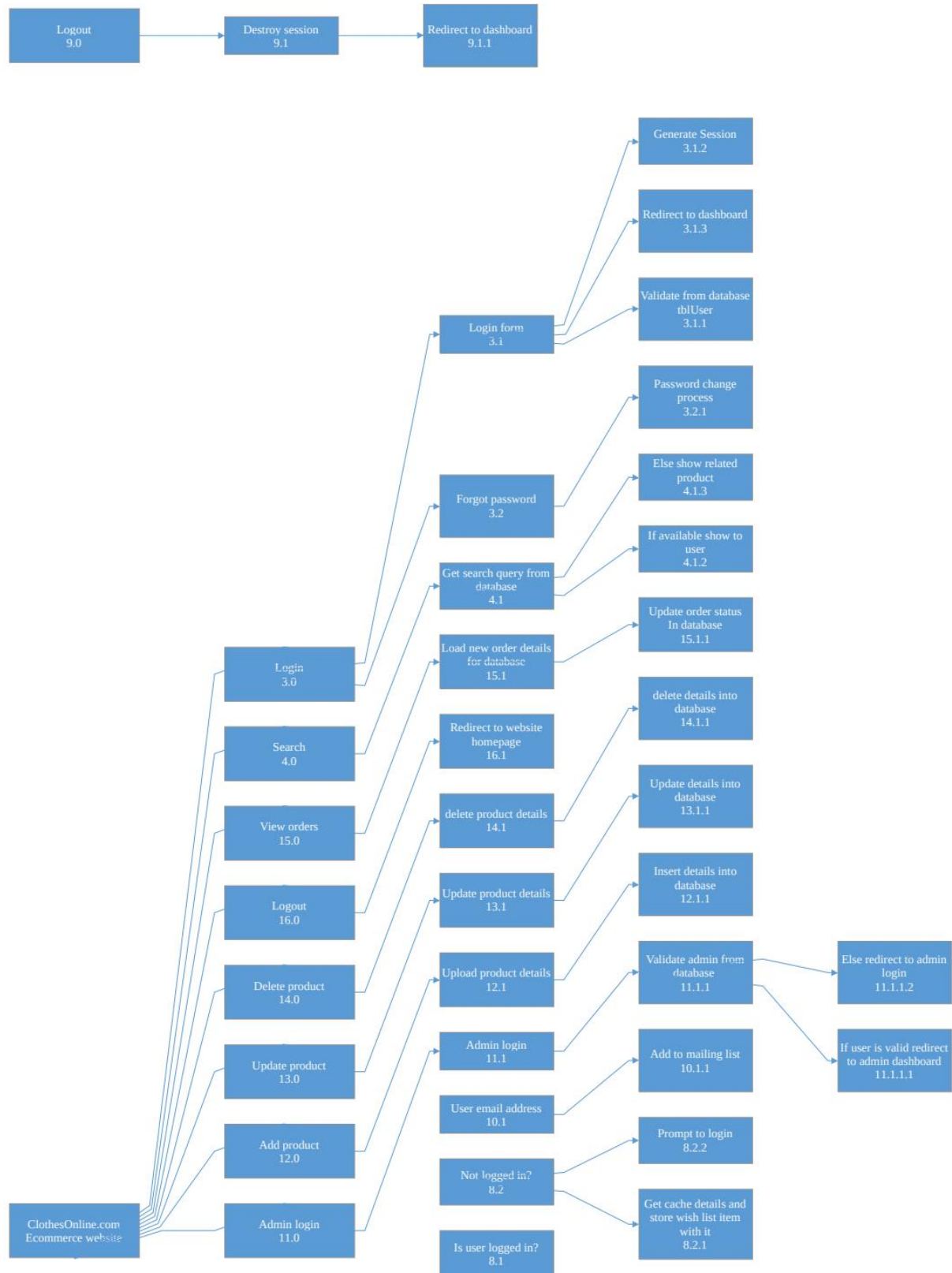
I can:

Logout from my account.

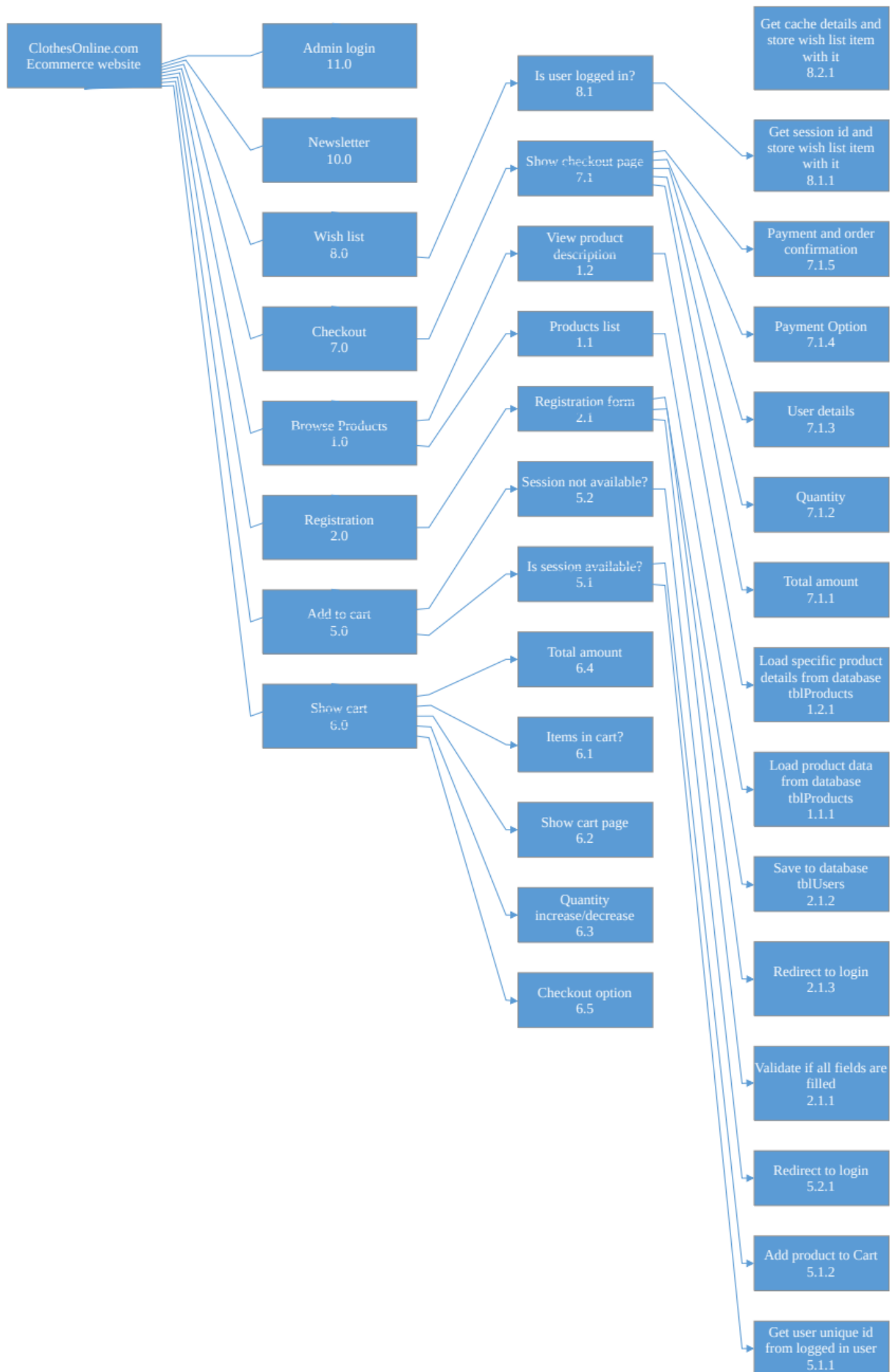
Work:

Admin can logout via logout button.

Admin will be redirected to admin login page.

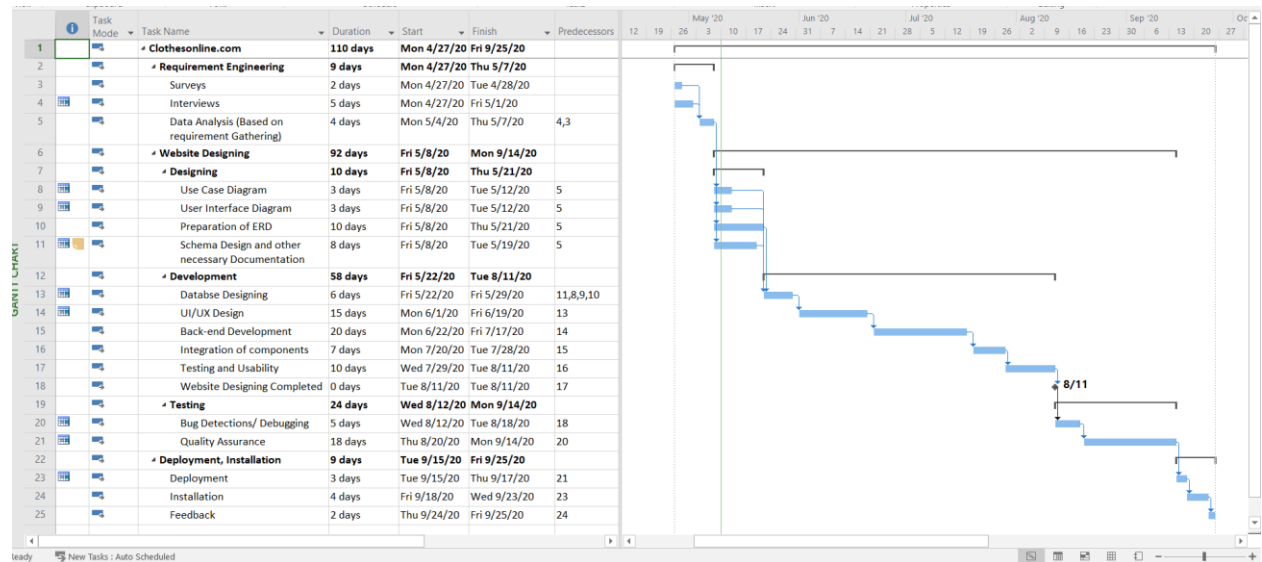


Final Submission Project Plan



Final Submission Project Plan

Gantt chart:

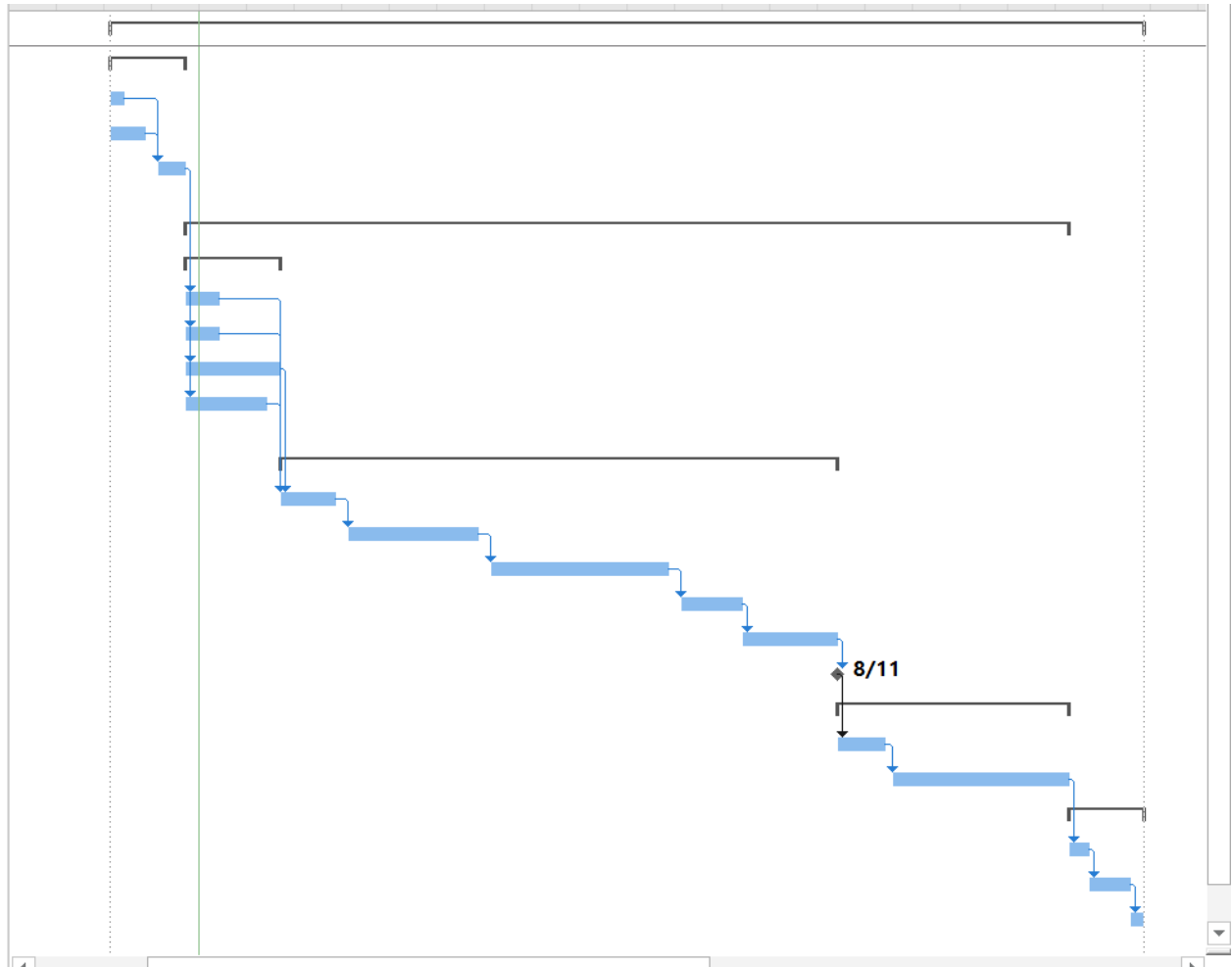


Task's List:

	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		☛ Clothesonline.com	110 days	Mon 4/27/20	Fri 9/25/20	
2		☛ Requirement Engineering	9 days	Mon 4/27/20	Thu 5/7/20	
3		☛ Surveys	2 days	Mon 4/27/20	Tue 4/28/20	
4		☛ Interviews	5 days	Mon 4/27/20	Fri 5/1/20	
5		☛ Data Analysis (Based on requirement Gathering)	4 days	Mon 5/4/20	Thu 5/7/20	4,3
6		☛ Website Designing	92 days	Fri 5/8/20	Mon 9/14/20	
7		☛ Designing	10 days	Fri 5/8/20	Thu 5/21/20	
8		☛ Use Case Diagram	3 days	Fri 5/8/20	Tue 5/12/20	5
9		☛ User Interface Diagram	3 days	Fri 5/8/20	Tue 5/12/20	5
10		☛ Preparation of ERD	10 days	Fri 5/8/20	Thu 5/21/20	5
11		☛ Schema Design and other necessary Documentation	8 days	Fri 5/8/20	Tue 5/19/20	5
12		☛ Development	58 days	Fri 5/22/20	Tue 8/11/20	
13		☛ Database Designing	6 days	Fri 5/22/20	Fri 5/29/20	11,8,9,10
14		☛ UI/UX Design	15 days	Mon 6/1/20	Fri 6/19/20	13
15		☛ Back-end Development	20 days	Mon 6/22/20	Fri 7/17/20	14
16		☛ Integration of components	7 days	Mon 7/20/20	Tue 7/28/20	15
17		☛ Testing and Usability	10 days	Wed 7/29/20	Tue 8/11/20	16
18		☛ Website Designing Completed	0 days	Tue 8/11/20	Tue 8/11/20	17
19		☛ Testing	24 days	Wed 8/12/20	Mon 9/14/20	
20		☛ Bug Detections/ Debugging	5 days	Wed 8/12/20	Tue 8/18/20	18
21		☛ Quality Assurance	18 days	Thu 8/20/20	Mon 9/14/20	20
22		☛ Deployment, Installation	9 days	Tue 9/15/20	Fri 9/25/20	
23		☛ Deployment	3 days	Tue 9/15/20	Thu 9/17/20	21
24		☛ Installation	4 days	Fri 9/18/20	Wed 9/23/20	23
25		☛ Feedback	2 days	Thu 9/24/20	Fri 9/25/20	24

Final Submission Project Plan

Project Timeline:



Resource Sheet:

File

Task

Resource

Report

Project

View

Team

Format

Tell me what you want to do...

Gantt Chart

Task Usage

Network Diagram

Calendar

Other Views

Team Planner

Resource Usage

Resource Sheet

Other Views

A Z

Sort

Outline

Tables

Highlight

Filter

Group by

[No Highlight]

[No Filter]

[No Group]

Timescale:

Months

Zoom

Entire Project

Selected Tasks

Timeline

Details

Task Views

Resource Views

Data

Zoom

Split View

	<div><div></div><div>Resource Name</div></div>	<div><div></div><div>Type</div></div>	<div><div></div><div>Material</div></div>	<div><div></div><div>Initials</div></div>	<div><div></div><div>Group</div></div>	<div><div></div><div>Max.</div></div>	<div><div></div><div>Std. Rate</div></div>	<div><div></div><div>Ovt. Rate</div></div>	<div><div></div><div>Cost/Use</div></div>	<div><div></div><div>Accrue</div></div>	<div><div></div><div>Base</div></div>	<div><div></div><div>Code</div></div>
1	Developer Front-end	Work		D		100%	\$100.00/hr	\$65.00/hr	\$0.00	Prorated	Standard	
2	Developer Back-end	Work		D		100%	\$100.00/hr	\$65.00/hr	\$0.00	Prorated	Standard	
3	Domain Name	Material		Dom			\$45.00		\$0.00	Prorated		
4	Hosting for 1 year	Material		Hos1			\$199.00		\$200.00	Prorated		
5	Graphic Designer	Work		Gr		100%	\$50.00/hr	\$65.00/hr	\$0.00	Prorated	Standard	
6	Project Manager	Work		Pmgr		100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
7	Database Admin	Work		DAd		100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
8	Network Admin	Work		NAd		100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	24 Hours	
9	SQA Analyst	Work		SQA		100%	\$0.00/hr	\$0.00/hr	\$200.00	Prorated	Standard	
10	Marketing Team	Work		MT		100%	\$200.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
11	Research Team	Work		RT		100%	\$200.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
12	Research Analyst	Work		RA		100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
13	IT Support	Work		I		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	24 Hours	

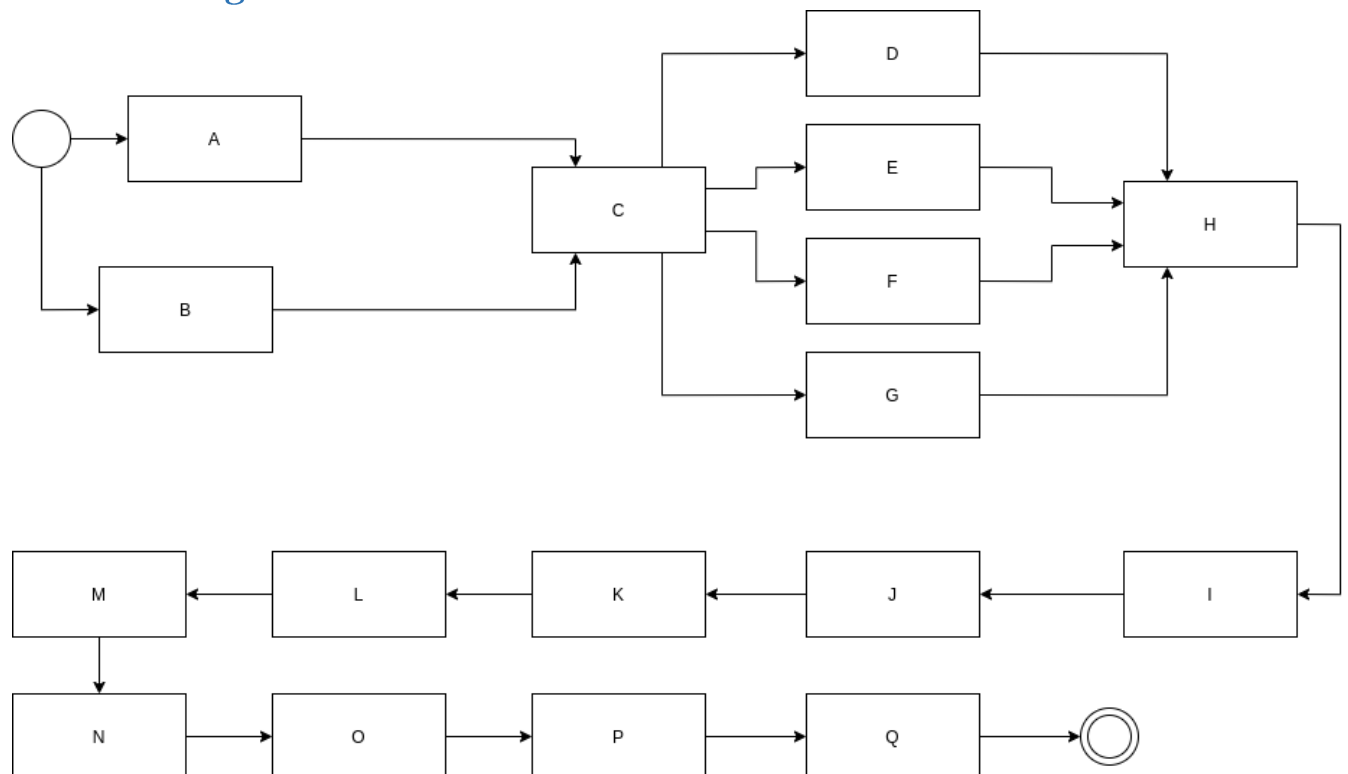
Link: <https://drive.google.com/open?id=15Cjsv8zo4rMqMxXlEHp2TcJHnmfHI-gg>

Link- MS PROJECT File: <https://drive.google.com/open?id=1zj-hAPnOBztwBCFsAj-Ess5hFcXkDkXH>

Tasks – For Network Diagram and Pert Chart:

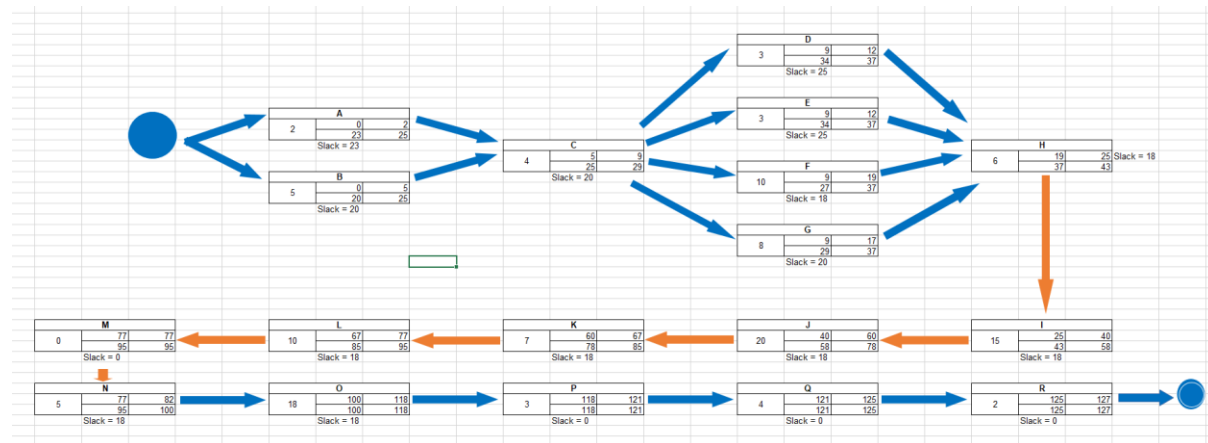
	A	B	C	D
1				
2		TASK	Predecessors	Time (days)
3	A	Surveys	-	2
4	B	Interviews	-	5
5	C	Data Analysis	A,B	4
6	D	Use case diagram	C	3
7	E	UI Diagram	C	3
8	F	ERD	C	10
9	G	Schema Design	C	8
10	H	DB design	D, E, F, G	6
11	I	UI/UX design	H	15
12	J	Backend development	I	20
13	K	Integration of components	J	7
14	L	Testing and usability	K	10
15	M	Website design completion	L	0
16	N	Debugging	M	5
17	O	QA	N	18
18	P	Deployment	O	3
19	Q	Installation	P	4
20	R	Feedback	Q	2
21				
22				

Network Diagram:



Final Submission Project Plan

Pert Chart:



Link: https://drive.google.com/open?id=1Zn2gG4X6q5_-ejcvLyyMI4N8vmX18liZ

Risk Register:

	A	B	C	D	E	F	G	H	I	J	K
1	Submission by 13275(M. Iftikhar) and 13292(Naeem Ali)										
2	Risk No	Risk Title	Description of Risk	Owner	Impact	Probability (%)	Cost Impact (H-M-L)	Schedule Impact (H-M-L)	Mitigation	Probability after mitigation (%)	Cost of Mitigation
3	1	Hosting Down	As the project need 24/7 online stability. So, Down Host result loss in Business	Network Admin and IT Team	High	60	H	H	There must be a need of an additional server to minimize the downtime	5	Additional Backup Server
4	2	Website bugs and Crashes	There can be bugs in sites that are generated due to wrong code. And need to be rectified quickly in order to maintain standards	Developers (front and Back-end both)	High	80	H	H	An availability of 24/7 front-end and back-end developers can greatly reduce the upcoming bugs and crashes	< 2	Paying Extra Salary (overtime)
5	3	Employee's role	in the real world scenario, an employee can leave job/ team/ etc. due to any reason(friends, family,etc.)	Project Manager	Medium	50	H	L	Manager should consider hiring a new employee immediately to replace the old one and restore the workflow.	25	Searching and Hiring of new Employee
6	4	Power/System Failure	Power/ Equipment Failure can be occur anytime which may result in host down, or loss of business, etc.	IT Team	High	30	H	H	A secondary hardware is required to overcome the problems of power failures	0	Secondary system in case of any failure
7	5	Cyber Attack	The Attacks like DDOS, Brutforce or other attacks can result the loss of data and website crash	Network Admin and IT Team	Medium	60	L	L	During development phase, the team need to keep it in mind to make sure the website have all the latest security tools to defend the upcoming attack	10	Up to date Cyber Security Tools
8	6	Estimating/scheduling errors	Project Manager might miscalculate the completion time for a task and may assign less time to critical tasks or activities	Project Manager	Medium	30	L	H	Project Manager should consult with the team members ,when estimating time or scheduling tasks	5	none
9	7	Lack of Communication	Lack of Communication between all the worker of project may create a huge problematic situation	Project Manager	High	60	H	H	It is the Responsibility of Project Manager to manage a good working environment for all the workers and act responsibly in case of any dispute among employees	25	none
10	8	unavailability of resource	resources might be unavailable temporarily or might be delayed	Team Leader	High	50	H	H	get resources from other providers to maintain workflow.	25	new resource cost
11	9	Database Crash	Database crash can result whole website down which might problematic for employees to work	DB Administrator	Medium	40	L	L	It is the Responsibility of Database Administrator to design a database that is capable enough to rectify error rather than generating error or going down	10	none
12	10	Feasibility for Unplanned Work	Unplanned work can be any demand by client during various phases of development	Project Manager	Medium	30	H	H	It is the responsibility of a Project manager to welcome demand by client as well as to manage feasibility to accomplish that task with the planned task	4	none

Link: <https://drive.google.com/open?id=1UdFGzuFp9CKMsfsYpnmGJNOIQ37AgeHZ>