



School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Prepare Work breakdown structure, Timeline chart, Risk identification table
Name of the candidate	AKASH THAKUR
Team Members	HARSHIT, UDAY TEKCHANDANI
Register Number	07,03
Date of Experiment	27/2/23

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
Total		10	

Staff Signature with date

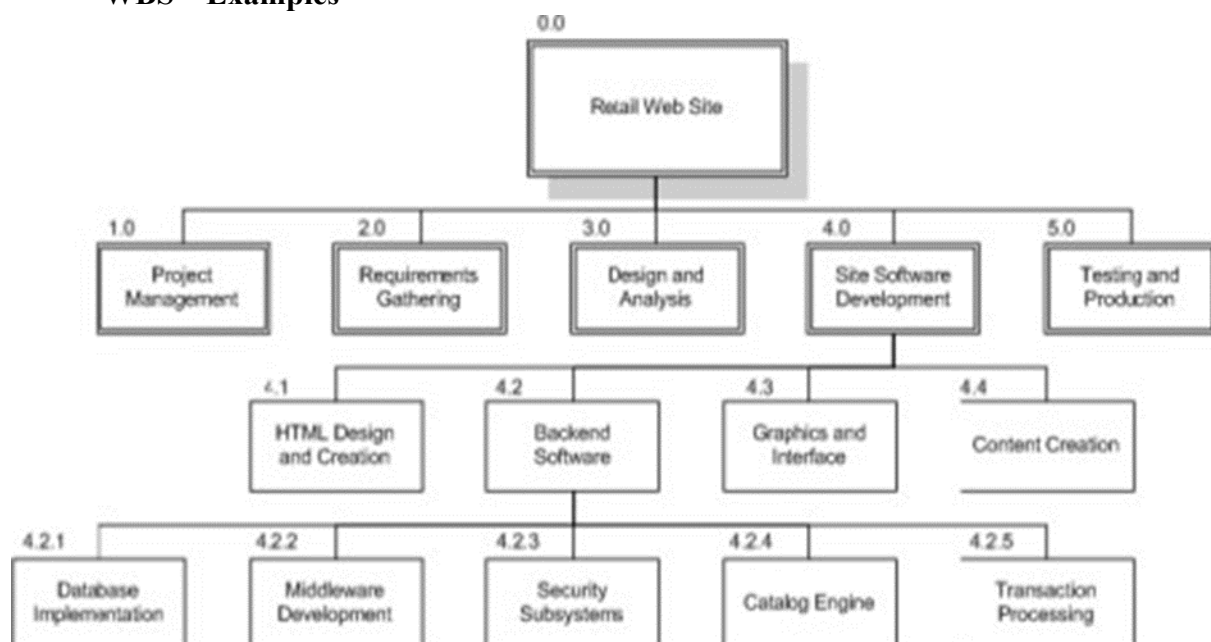
Aim

To Prepare Work breakdown structure, Timeline chart and Risk identification table

Team Members:

Sl No	Register No	Name	Role
1	RA2111031010007	HARSHIT	Rep
2	RA2111031010013	AKASH THAKUR	Member
3	RA2111031010003	UDAY TEKCHANDANI	Member

WBS – Examples



0.0 Retail Web Site

1.0 Project Management

2.0 Requirements Gathering

3.0 Analysis & Design

4.0 Site Software Development

◦ 4.1 HTML Design and Creation

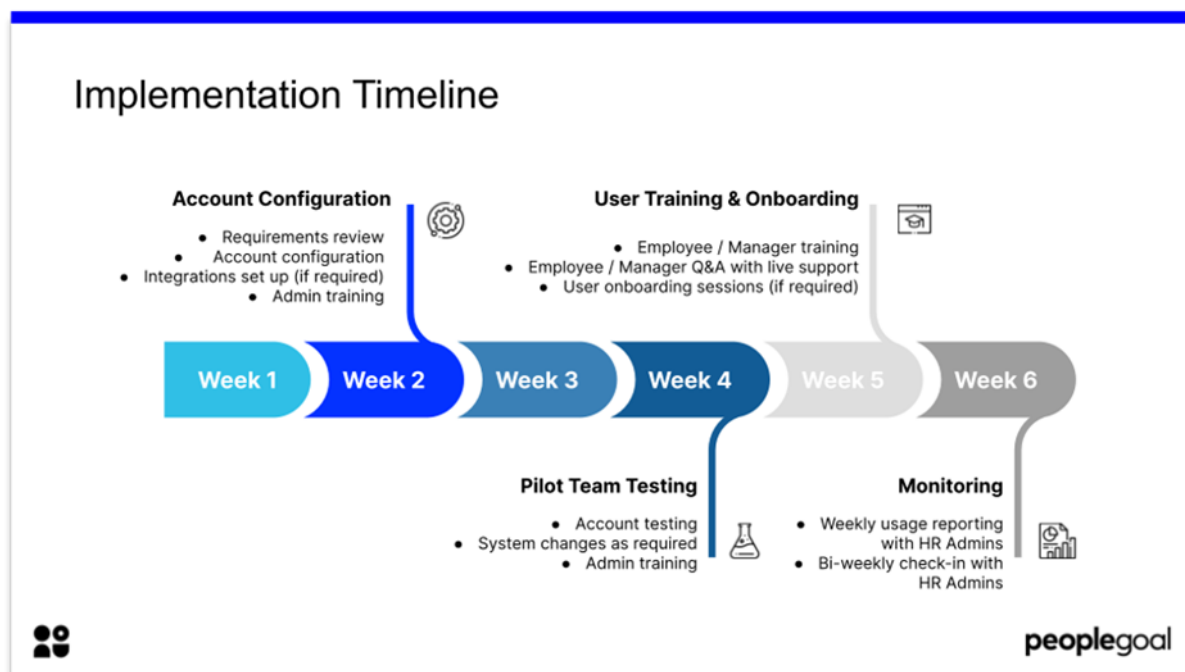
◦ 4.2 Backend Software

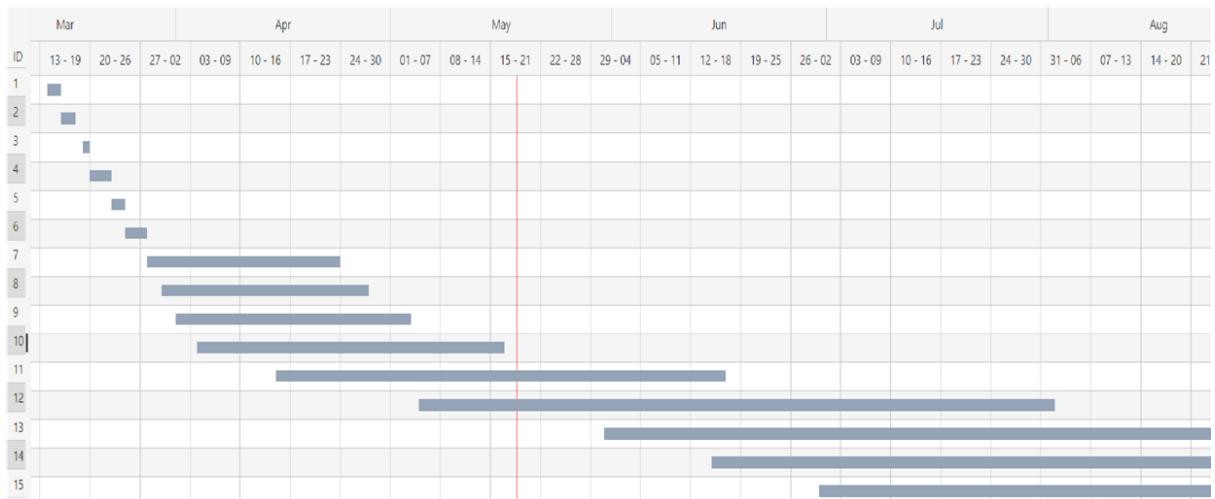
● 4.2.1 Database Implementation

● 4.2.2 Middleware Development

- 4.2.3 Security Subsystems
- 4.2.4 Catalog Engine
- 4.2.5 Transaction Processing
- 4.3 Graphics and Interface
- 4.4 Content Creation
- 5.0 Testing and Production

TIMELINE – GANTT CHART





RISK ANALYSIS – SWOT & RMMM

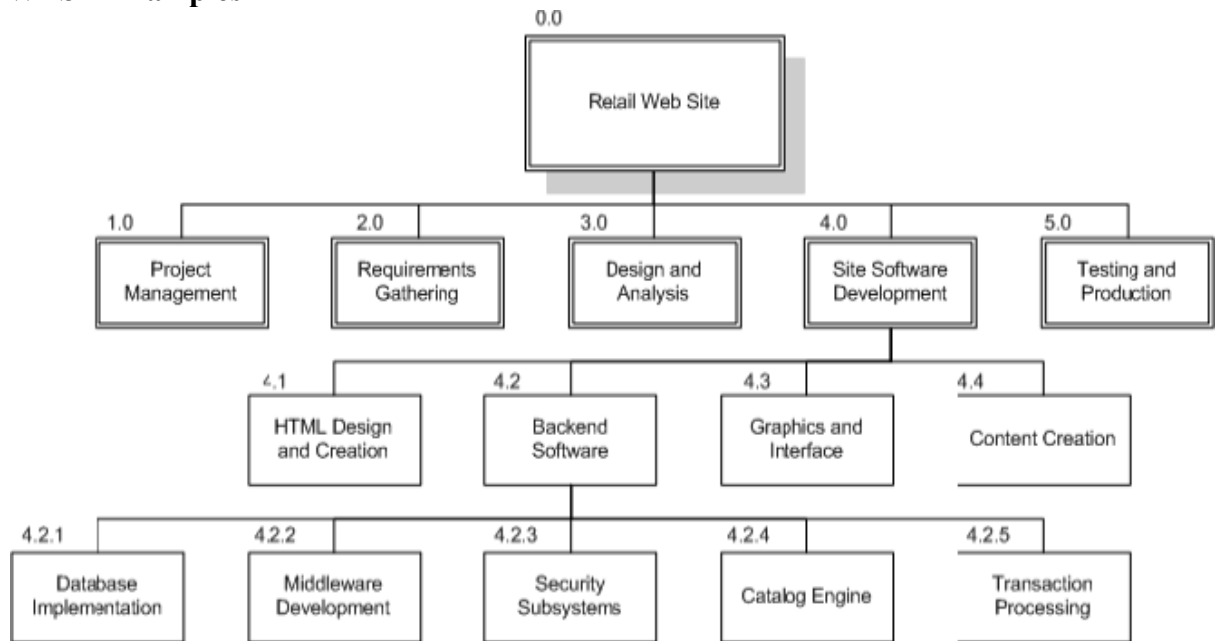
RISK ANALYSIS-(TABLE)

Risk Summary	Risk Category	Probability	Impact	RMMM
System crash	Development Environment	50%	Critical	
Large number of users than planned	Technology	70%	Marginal	
Lack of commitment from developer	Staff size and experience	20%	Marginal	
Customer change Requirements	Customer Characteristics	80%	Critical	
Staff Inexperienced	Staff size and experience	30%	Marginal	
Technology not meeting expectations	Technology	40%	Catastrophic	

Result:

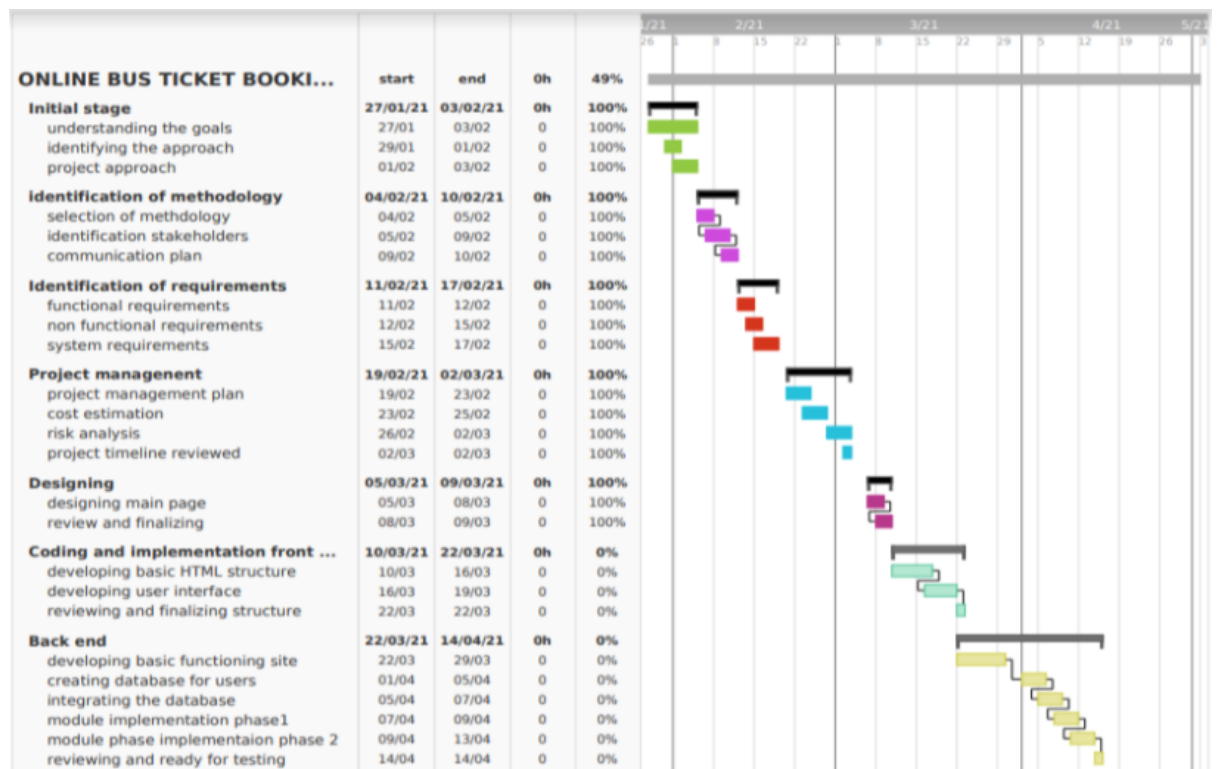
Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.

WBS – Examples

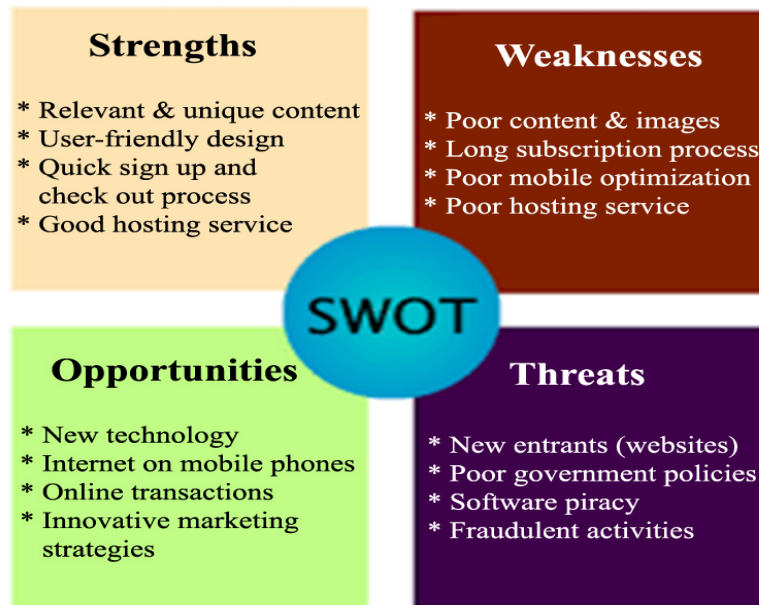


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TIMELINE – GANTT CHART



RISK ANALYSIS – SWOT & RMMM



Risk Management Framework- Risks And Mitigation ...

Response	Strategy	Examples
Avoid	Risk avoidance is a strategy where the project team takes action to remove the threat of the risk or protect from the impact	<ul style="list-style-type: none"> • Extending the schedule • Reducing/removing scope • Change the execution strategy
Transfer	Risk transference involves shifting or transferring the risk threat and impact to a third party. Rather transfer the responsibility and ownership	<ul style="list-style-type: none"> • Purchasing insurance • Performance bonds • Warranties • Contract issuance (lump sum)
Mitigate	Risk mitigation is a strategy where by the project team takes an action to reduce the probability of the risk occurring. This does not risk or potential impact, but rather reduces the likelihood of it becoming real.	<ul style="list-style-type: none"> • Increasing testing • Changing suppliers to a more stable one • Reducing process complexity
Accept	Risk acceptance means the team acknowledges the risk and its potential impact, but decides not to take any preemptive action to prevent it. It is dealt with only if it occurs.	<ul style="list-style-type: none"> • Contingency reserve budgets • Management schedule float • Event contingency

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