



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

# PROJECT PROPOSAL

DDWD3723-SOFTWARE DEVELOPMENT

## BHPS - BOOK HEAVEN PURCHASING SYSTEM

Prepared by:

Fakhrul Hilmi Bin Azman (Leader)

Chei Kah Yan (Back-end programmer)

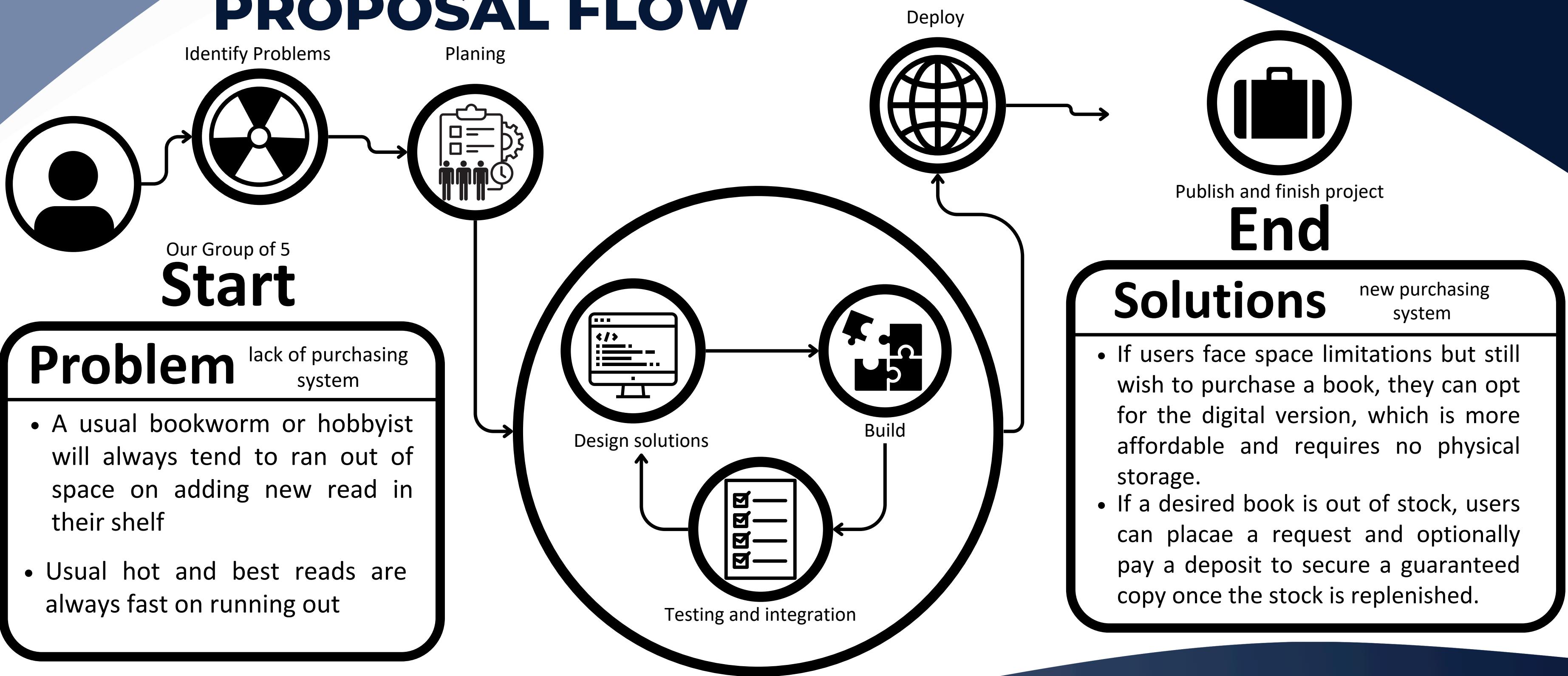
Nur Rifqah binti Shahrul (Front-end Programmer)

Nur Alhuda Binti Mahmoud Ahmed Shokr (Document Leader)

Toh Khim Tat (Document Maker)



# PROPOSAL FLOW



# PROJECT DUE DATE

WEEK	EVENTS	
Week 1	Form a Group and Get Project Approval	Lecture Class
Week 2	Proposal Submission and Presentation	Lecture Class
Week 3	SDP, SRS Documentation	Lecture Class
Week 4	Sprint 1: Planning Meeting	Documentation Class
Week 5	Sprint 1: Progress	Documentation Class
Week 6	Sprint 1: Progress	Documentation Class
Week 7	Sprint 1: Progress	Sprint 1: Review Meeting & Retrospective
Week 8 (Mid Semester Break)	Sprint 2: Planning Meeting	Documentation Class
Week 9	Sprint 2: Progress	Documentation Class
Week 10	Sprint 2: Progress	Documentation Class
Week 11	Sprint 2: Progress	Sprint 2: Review Meeting & Retrospective
Week 12	Sprint 3: Planning Meeting	Documentation Class
Week 13	Sprint 3: Progress	Documentation Class
Week 14	Sprint 3: Progress	Documentation Class
Week 15	Sprint 3: Review Meeting & Retrospective	Final Year Project Exhibition
Week 16 (Study Week)	Document Submission	

# GROUP ORNANIZATION CHART



**Leader**  
Fakhru Hilm Bin Azman

**Back-end programmer**  
Chei Kah Yan

**Front-end Programmer**  
Nur Rifqah binti Shahrul

**Document Leader**  
Nur Alhuda Binti  
Mahmoud Ahmed Shokr

**Document maker**  
Toh Khim Tat

# TEAM RESPONSIBILITIES

Full Name	Roles	Responsibilities
Fakhrul Hilmi Bin Azman	Leader	Build up database and Guide our team work
Chei Kah Yan	Back-end Programmer/ Git hub owner	Build up website
Nur Rifqah binti Shahrul	Front-end Programmer	Build up website
Nur Alhuda Binti Mahmoud Ahmed Shokr	Document Leader / Trello Manager	Make documentation report and slide
Toh Khim Tat	Document maker	Make documentation report and slide

# PROJECT INFORMATION(1)

<b>Group ID</b>	1
<b>Project Title</b>	BHPS Book Heaven Purchasing System
<b>Project Type</b>	Website
<b>Client / Organization Name</b>	Book Haven
<b>Framework</b>	Next.js
<b>Database</b>	GitHub
<b>Methodology</b>	The development of the BHPS book heaven Online Bookstore will follow a System Development Life Cycle (SDLC) approach, ensuring that the project is completed systematically and meets the company's objectives.

# PROJECT INFORMATION(2)

<b>Project Aim</b>	The aim of this project is to design and develop a user-friendly online bookstore website for BHPs book heaven Sdn. Bhd. that expands market reach beyond its physical store, enhances customer convenience through digital shopping features, and increases overall sales and competitiveness in the Malaysian book retail industry.
<b>Objectives</b>	To study the BHPs book heaven purchasing process in the website. To design and develop the BHPs book heaven purchasing System. To evaluate the accuracy and correctness of the data taken.
<b>Project Scopes</b>	The project will involve the create, read, update, and delete of an online bookstore website for BHPs book heaven Sdn. Bhd.

# PROJECT INFORMATION(3)

Software	Project Management	GitHub Desktop, Trello, Microsoft Project	
	Documentation	Microsoft Word, Microsoft PowerPoint	
	Development / Design	Canva, Google Chrome, Microsoft Edge, GitHub, Next.js, xampp	
Hardware	Developer	Fakhrul Hilmi Bin Azman	Laptop - 11th Gen Intel(R) Core(TM) i5-11400H, 8GB RAM (MSI)
		Chei Kah Yan	Laptop-Intel Core i5-12500H, 16GB RAM (ASUS)
		Nur Rifqah binti Shahrul	Laptop- 13th Gen Intel(R) Core(TM) i5-1335U , 24.0 GB RAM (ASUS)
	Document Maker	Nur Alhuda Binti Mahmoud Ahmed Shokr	Laptop - Intel Core i5, 16GB RAM (Lenovo)
		Toh Khim Tat	Laptop - Intel Core i5, 16GB RAM (Lenovo)

# Project Budget Estimation (Documentation)

No	Item	Quantity	Price Per Unit	Total Price
1	Draft report project 1	7	RM 0.20	RM 1.40
2	Draft report project 2	9	RM 0.20	RM 1.40
3	Full binding project	9	RM 0.70	RM 6.30
			RM 0.00	RM 0.00
			RM 0.00	RM 0.00
			RM 0.00	RM 0.00
			RM 0.00	RM 0.00
			RM 0.00	RM 0.00
			Total	RM 9.10

# Problem Statement

The problem of	<ul style="list-style-type: none"><li>• user has problems with their current room spacing</li><li>• user cant get the book that the user wanted to buy</li></ul>
Affects	<ul style="list-style-type: none"><li>• user has problems with their current room spacing</li><li>• the book that user wanted was out of stock</li></ul>
The impact of which	<ul style="list-style-type: none"><li>• user still wanted to buy a book</li><li>• (optional) can pay for deposit for guaranteed spot on getting the out of stock book once it restocks</li></ul>
A successful solution should be	<ul style="list-style-type: none"><li>• user can purchase it in digital media</li><li>• user can request the book they wanted</li></ul>

# Product Vision Statement

For	<b>For users that likes books/nerds/introverts</b>
Who	<b>Who wants to buy books online</b>
The Online Ordering System	<b>BHPS BookHaven Purchasing System</b>
That	<b>that offers easier and cheaper ways to buy books</b>
Unlike	<b>Unlike regular websites for online book ordering</b>
Our product	<b>www.bookhaven.com is designed for bookworms and contains special features for book related expenses</b>

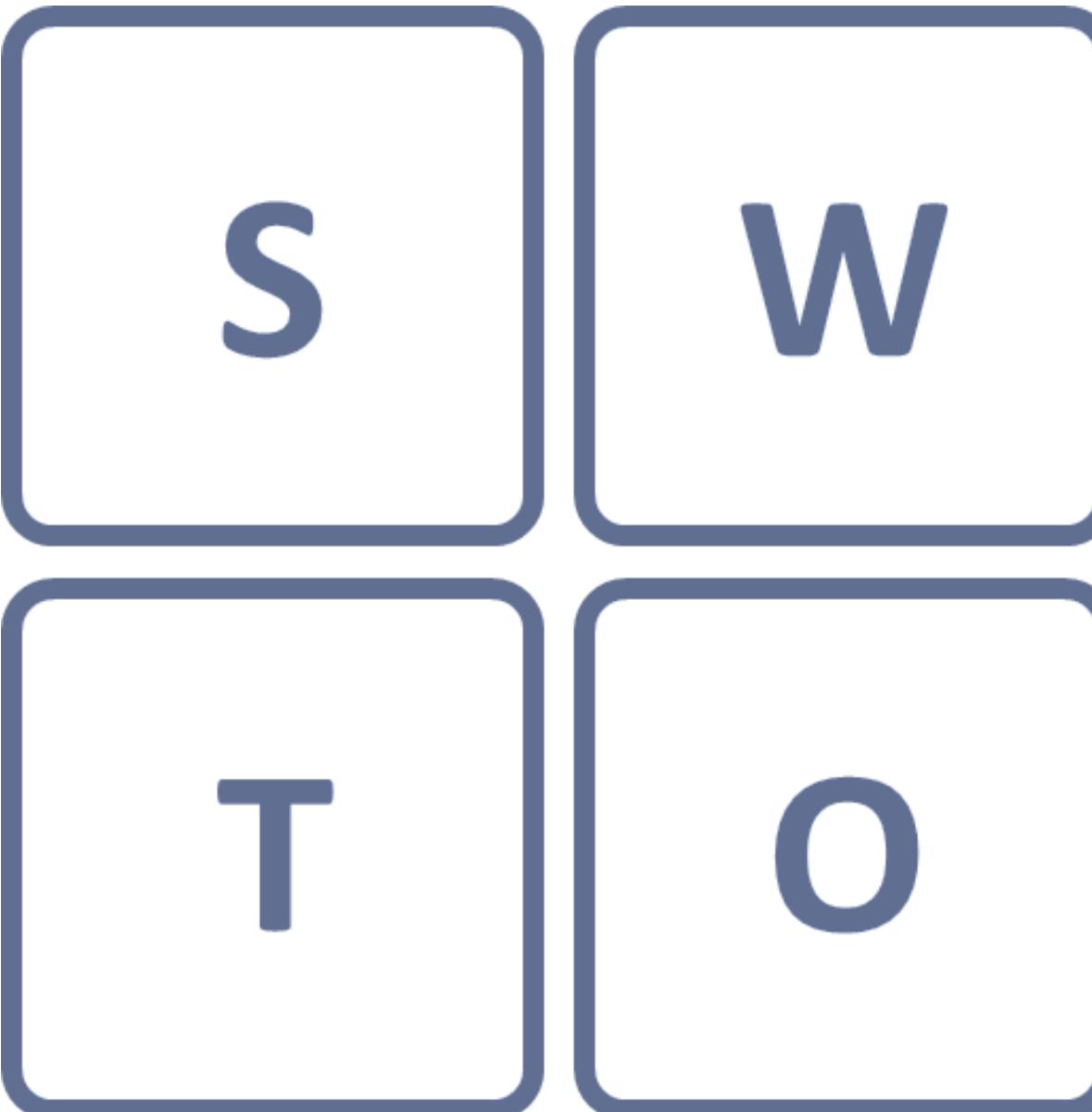
# SWOT Analysis

## Strength

- Supports both physical & digital purchases
- Digital versions are affordable & space-saving
- Request & deposit feature secures out-of-stock titles

## Threats

- Competition from other online purchasing platforms



## Weakness

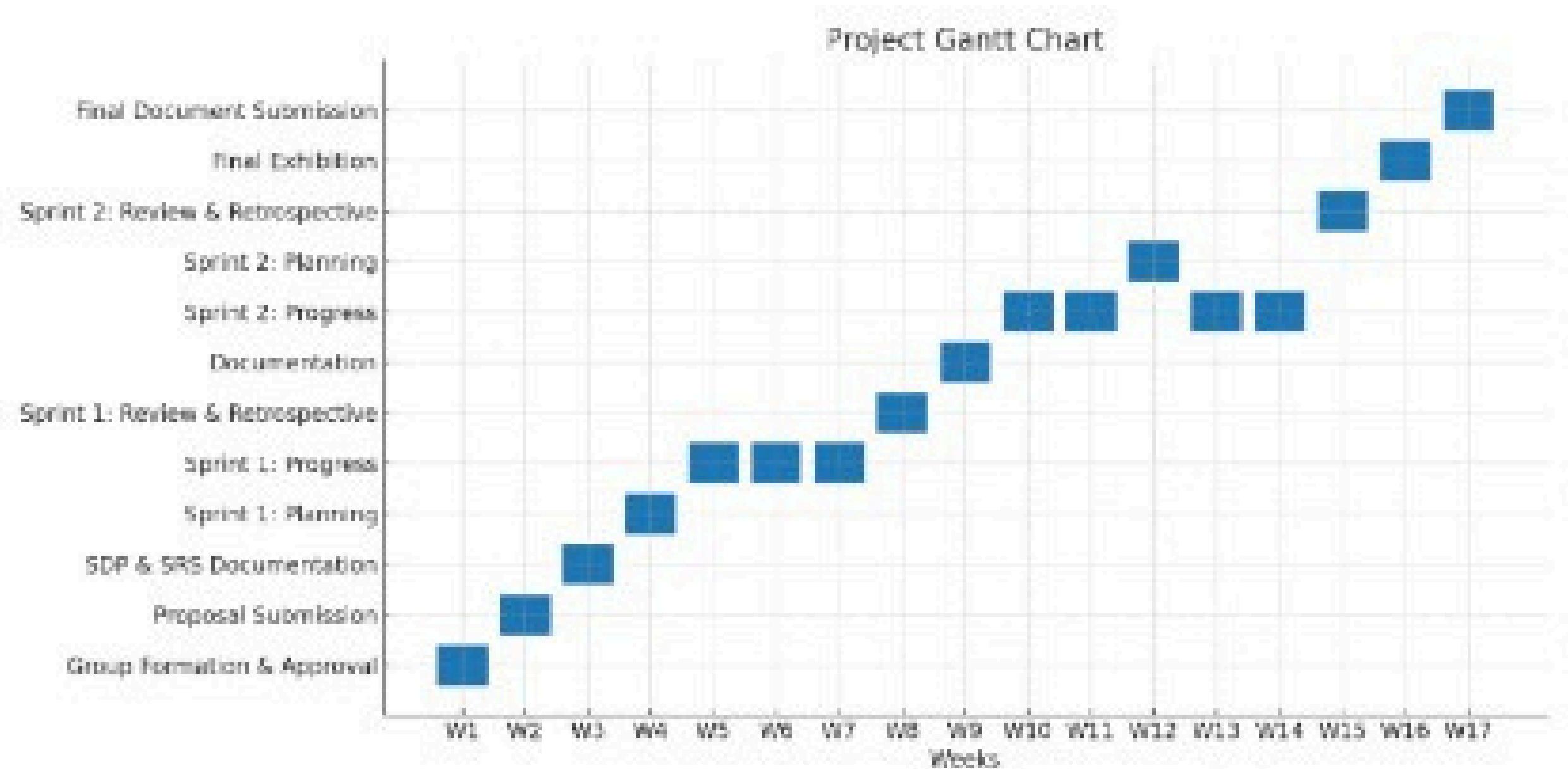
- Limited appeal for readers who prefer physical books
- Requires user adaptation to new system features

## Opportunities

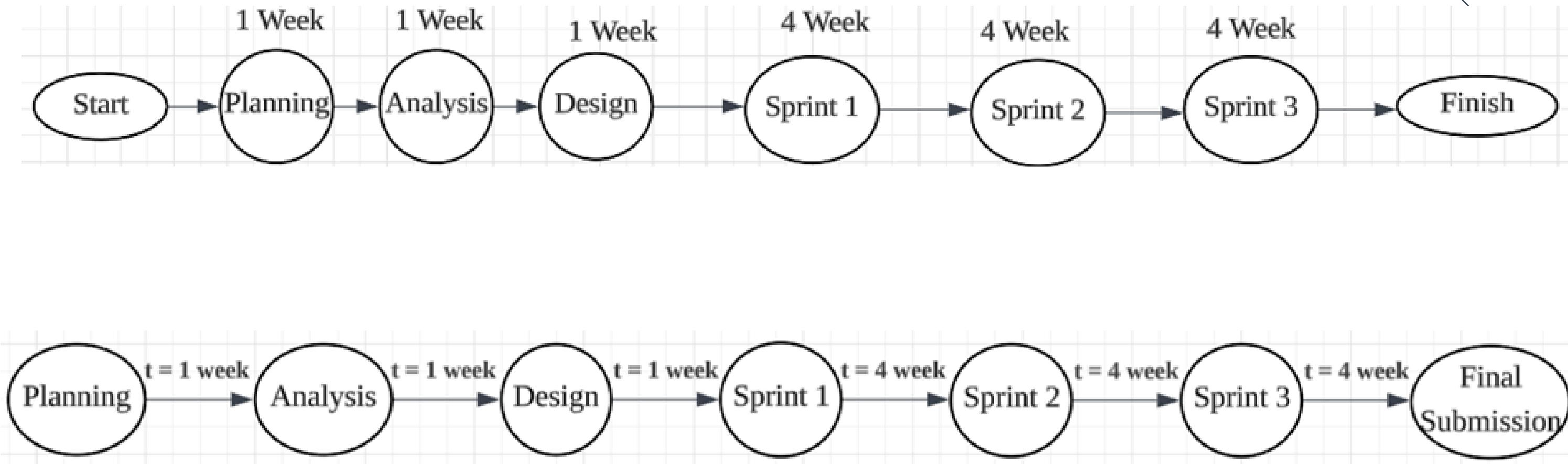
- Rising demand for digital content
- Potential for loyalty programs & personalized offers
- Builds stronger customer satisfaction & trust

# Project Planning - Gantt Chart (1)

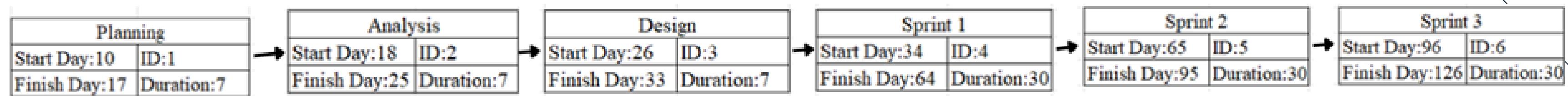
# Project Planning - Gantt Chart (2)



# Project Planning - Pert Chart and Critical Path



# Project Planning - Pert Chart and Critical Path



# Project Features

User	Staff	Admin		
<ul style="list-style-type: none"><li>• View homepage</li><li>• View menu</li><li>• Make order</li><li>• Pay order</li><li>• View receipt</li><li>• Get receipt by email</li><li>• View about US</li><li>• View contact us</li><li>• View feedback</li><li>• View order status</li><li>• Sign in</li><li>• Forgot password</li><li>• Sign out</li><li>• View Profile</li><li>• Edit profile</li><li>• View Booking History</li><li>• Event</li></ul>	<ul style="list-style-type: none"><li>• Sign In</li><li>• Forgot Password</li><li>• Sign Out</li><li>• View Dashboard</li><li>• View order</li><li>• Change password</li><li>• Cancel order</li><li>• View Profile</li><li>• Edit Profile</li><li>• View Sales Report</li><li>• Download sales report</li><li>• Add menu</li><li>• Delete menu</li><li>• Edit menu</li><li>• View about us</li><li>• Update order status</li><li>• View Feedback</li><li>• Edit event</li></ul>	<ul style="list-style-type: none"><li>• Delete Event</li><li>• Add Event</li><li>• View booking</li><li>• Cancel booking</li><li>• Edit booking</li><li>• View List of customer</li><li>• View sales report</li></ul>	<ul style="list-style-type: none"><li>• Sign In</li><li>• Forgot Password</li><li>• Sign Out</li><li>• View Dashboard</li><li>• View Sales Report</li><li>• View order</li><li>• Cancel order</li><li>• Change password</li><li>• View profile</li><li>• Edit profile</li><li>• Download Sales Report</li><li>• Add staff</li><li>• Delete staff</li><li>• View staff</li><li>• Edit staff</li><li>• Update order status</li><li>• Add menu</li><li>• Delete menu</li><li>• View menu</li></ul>	<ul style="list-style-type: none"><li>• View feedback</li><li>• Edit menu</li><li>• Edit about us</li><li>• Edit contact us</li><li>• Edit event</li><li>• Delete event</li><li>• Add event</li><li>• View booking</li><li>• Cancel booking</li><li>• Edit Booking</li><li>• View List of customer</li><li>• View staff</li><li>• Add staff</li><li>• Edit staff</li><li>• Delete staff</li><li>• View sales report</li></ul>

**THANK  
YOU**