

MOVIE STREAMING WEBSITE
Software Development Plan
Version 2.0

MOVIE STREAMING WEBSITE	Version: 2.0
Software Development Plan	Date: 19/06/22

Revision History

Date	Version	Description	Authors
19/Jun/22	1.0	List and plan for all the members, milestone, schedule, tools.	Nguyen Trung Nguyen Pham Huy Cuong Thinh
19/Jun/22	2.0	Complete all the remaining sections: budget, risks, work breakdown structures.	Nguyen Trung Nguyen Pham Huy Cuong Thinh

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Software Development Plan

1. Introduction

This paper is about establishing project objectives and requirements, defining project deliverables, and managing team member responsibilities for our project development.

2. Project Overview

2.1 Project Purpose, Scope, and Objectives

Nowadays, people have various options for entertainment like working out, playing games, listening to music, and so on. One of them is watching movies. You have 2 options for watching a movie or a documentary: go to the theater or watch them online. Because of the Covid epidemic, people prefer watching movies at home than going out. As a result, various streaming services that are growing rapidly currently such as Netflix, Disney+, Hulu, and Apple TV, ... For that reason, our team decided to build a website about movie streaming services.

2.2 Assumptions and Constraints

Assumption:

- Project development took around three months.
- Fixed scheduling.
- Zero-budget project.

Constraints:

- There have been no changes to the team members.
- Must not leave the meeting for no apparent reason.
- Must not miss any meeting without notifying the team.
- Must complete assigned tasks by the deadline.
- Must notify the team if any problems occur while doing assigned tasks.

2.3 Project Deliverables

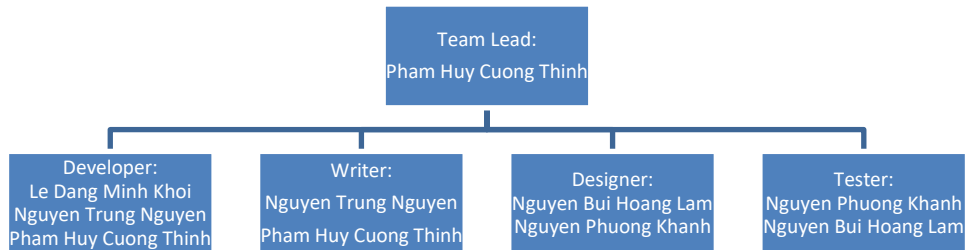
No.	Features	Release date
01	Log in / sign up / log out	07/08/2022
02	Edit user information	07/08/2022
03	Watch trailer	07/08/2022
04	Plan and pricing	07/08/2022
05	Top movie charts/ most popular now	07/08/2022
06	Release calendar	07/08/2022
07	Recommendation/ Already watched/ Favorites/ Not interested	07/08/2022
08	Contact and Help Center/ Feedback	07/08/2022

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09	GUI for admin and user	07/08/2022
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3. Project Organization

3.1 Organizational Structure



3.2 Roles and Responsibilities

<i>Person</i>	<i>Roles</i>
<i>Phạm Huy Cường Thịnh</i>	<i>Team Leader, Developer, Writer</i>
<i>Nguyễn Trung Nguyên</i>	<i>Developer, Writer</i>
<i>Lê Đăng Minh Khôi</i>	<i>Developer</i>
<i>Nguyễn Phương Khanh</i>	<i>Designer, Tester</i>
<i>Nguyễn Bùi Hoàng Lam</i>	<i>Designer, Tester</i>

4. Management Process

4.1 Project Estimates

- ☐ Total effort: 3 months/ 4 weeks per month/ 5 days per week
- ☐ Total hours: $3 \times 5 \times 4 \times 3 \times 5 = 900$ hours
- ☐ Effort per day: 3 hours
- ☐ Administrator features:

Features	Effort	Cost	Member(s)	Total Effort
User list control	5 days	300k VND per hour	2	9.000.000 VND
User's comment moderation	3 days	300k VND per hour	2	5.400.000 VND
Film list control	3 days	300k VND per hour	2	5.400.000 VND
Feedback log	2 days	300k VND per hour	2	3.600.000 VND
GUI	1 month	450k VND per hour	3	81.000.000 VND

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☐ User features:

Features	Effort	Cost	Member(s)	Total Effort
Log in / sign up / Log out	5 days	300k VND per hour	2	9.000.000 VND
Edit user basic information	1 day	300k VND per hour	1	900.000VND
Edit user extra information	1 day	300k VND per hour	1	900.000 VND
Plan and pricing	2 days	200k VND per hour	1	1.200.000 VND
Watch trailer	1 day	200k VND per hour	1	600.000 VND
Streaming film	7 days	300k VND per hour	2	12.600.000 VND
Forward/backward film	1 day	200k VND per hour	1	600.000 VND
Time remaining of the film	1 day	300k VND per hour	1	900.000 VND
Film resolution	1 day	300k VND per hour	1	900.000 VND
Sound control	1 day	300k VND per hour	1	900.000 VND
Film comment	3 days	300k VND per hour	2	5.400.000 VND
Film like count	1 day	200k VND per hour	1	600.000 VND
Top movie charts/ most popular now	2 days	300k VND per hour	2	3.600.000 VND
Release calendar for upcoming film from theater	2 days	200k VND per hour	2	2.400.000 VND
Recommendation/ Already watched/ Favorites/ Not interested	5 days	300k VND per hour	2	9.000.000 VND
Contact and Help Center/ Feedback	1 day	200k VND per hour	1	600.000 VND
GUI	1 month	450k VND per hour	3	81.000.000 VND

➔ Total days: 89 days

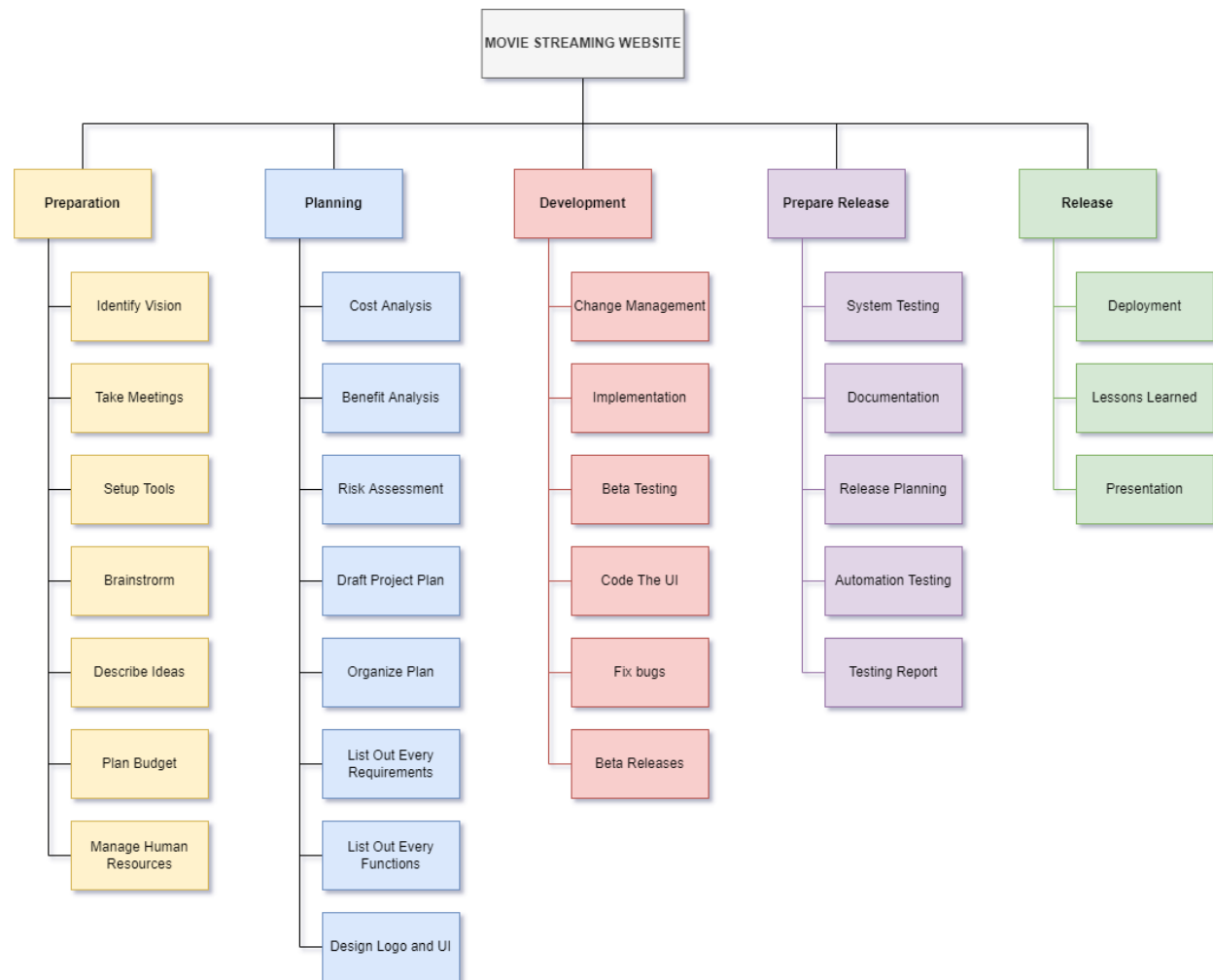
➔ Total cost: 104.400.000 + 131.100.000 = 235.500.000 VND

➔ Average cost per member of this project: 47.100.000 VND

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4.2 Project Plan

4.2.1 Phase and Iteration Plan



4.2.2 Releases

Admin Features:

No.	Features	Release date	Demo release date
01	User list control	07/08/2022	31/07/2022
02	User's comment moderation	07/08/2022	29/07/2022
03	Film list control	07/08/2022	29/07/2022
04	Feedback log	07/08/2022	28/07/2022
05	GUI	24/07/2022	16/07/2022

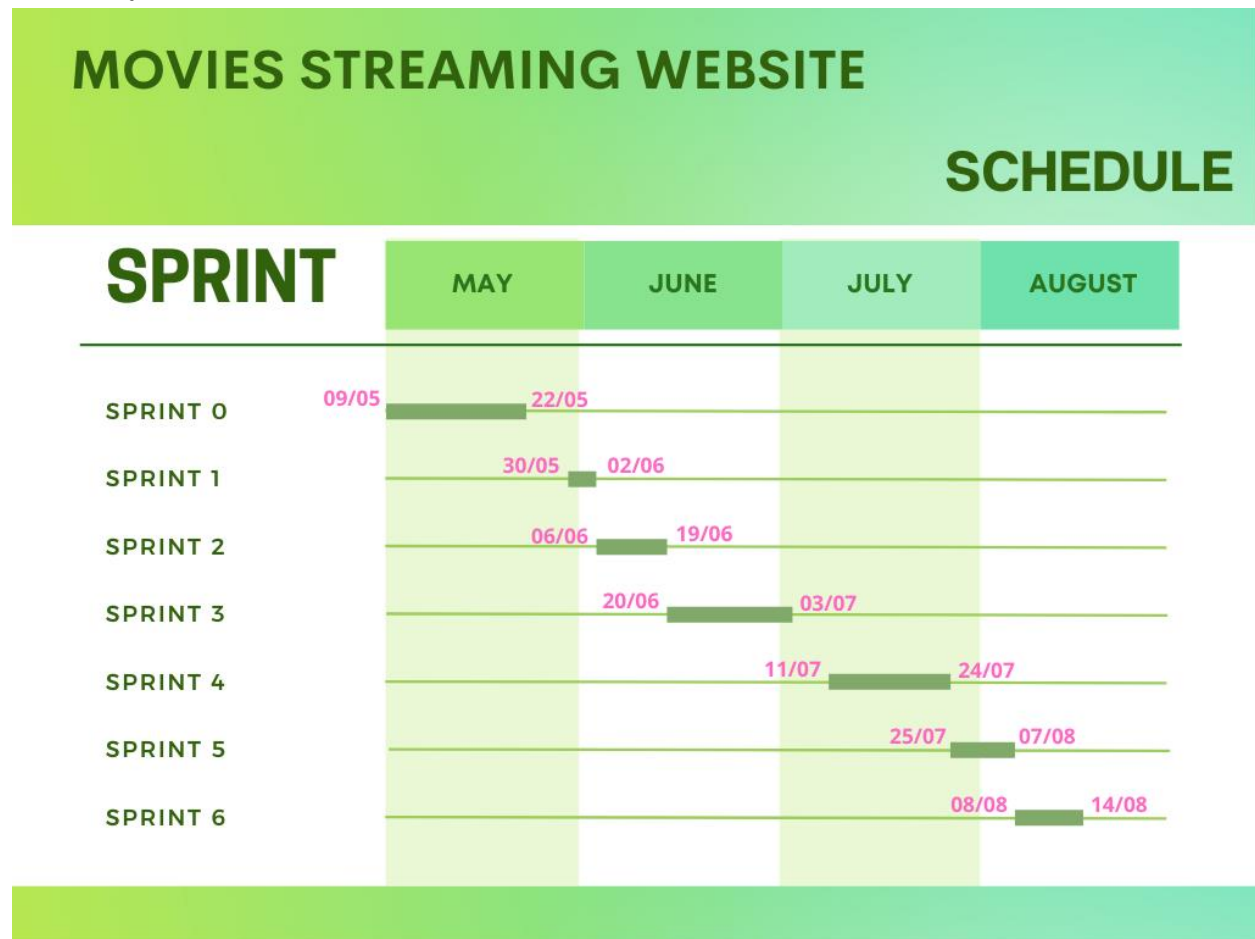
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User features:

No.	Features	Release date	Demo release date
01	Log in / sign up / Log out.	07/08/2022	31/07/2022
02	Edit user basic information	07/08/2022	27/07/2022
03	Edit user extra information	07/08/2022	27/07/2022
04	Plan and pricing	07/08/2022	29/07/2022
05	Watch trailer	07/08/2022	27/07/2022
06	Streaming film	07/08/2022	01/08/2022
07	Forward/backward film	07/08/2022	27/07/2022
08	Time remaining of the film	07/08/2022	27/07/2022
09	Film resolution	07/08/2022	27/07/2022
10	Sound control	07/08/2022	27/07/2022
11	Film comment	07/08/2022	29/07/2022
12	Film like count	07/08/2022	27/07/2022
13	Top movie charts/ most popular now	07/08/2022	28/07/2022
14	Release calendar for the upcoming film from the theater	07/08/2022	27/07/2022
15	Recommendation/ Already watched/ Favorites/ Not interested	07/08/2022	31/07/2022
16	Contact and Help Center/ Feedback	07/08/2022	27/07/2022
17	GUI	24/07/2022	16/07/2022

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4.2.3 Project Schedule



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4.3 Project Monitoring and Control

4.3.1 Reporting

- We will have a weekly meeting to report on all tasks completed.
- Another report about the overall state of our project.
- We would communicate via Slack and Messenger.
- We also use Trello to keep track of our projects to ensure that they are on schedule.

4.3.2 Risk Management

Risk ID	Risk Description	Probability	Impact	Priority	Mitigation Strategy or Contingency Plan
001	The website function cannot work perfectly as expected	Likely	Product	High	Clean code and always test thoroughly before releasing.

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002	Staff trouble (sickness, accident,...)	Seldom	Project	Low	Reorganize the team and give extra training (if necessary) for the one who is assigned to a new position.
003	Database performance	Occasional	Product	Medium	Investigate what caused the problem, and change the database (if necessary).

4.3.3 Configuration Management

Tools	URL
Drive	Click here
GitHub	Click here
Slack	Click here
Trello	Click here