MOVIE STREAMING WEBSITE

Software Development Plan

Version <1.0>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 19/Jun/22 | <1.0> | <details> | <name> |
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Software Development Plan

# 

# Introduction

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

# Project Overview

## 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.

## 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.

## Project Deliverables

|  |  |  |
| --- | --- | --- |
| **No.** | **Feature** | **Release date** |
| 01 | Log in / sign up | 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 |

|  |  |  |
| --- | --- | --- |
| 09 | Interface for admin | 07/08/2022 |
| 10 | GUI | 24/07/2022 |

# Project Organization

## Organizational Structure

## Roles and Responsibilities

|  |  |
| --- | --- |
| **Person** | **Roles** |
| Phạm Huy Cường Thịnh  Nguyễn Trung Nguyên  Lê Đặng Minh Khôi  Nguyễn Phượng Khanh  Nguyễn Bùi Hoàng Lam | Team Leader, Developer  Developer, Writer  Developer  Designer, Tester  Designer, Tester |

# Management Process

## Project Estimates

* Total effort: 3 months/ 4 weeks per month/ 5 days per weeks
* Total hours: 3\*5\*4\*3\*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 |

* 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

## Project Plan

### Phase and Iteration Plan

Chart

Description automatically generated with medium confidence

### Releases

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Feature** | **Release date** | **Demo release date** |
| 01 | Log in / sign up | 07/08/2022 | 31/07/2022 |
| 02 | Edit user information | 07/08/2022 | 27/07/2022 |
| 03 | Watch trailer | 07/08/2022 | 27/07/2022 |
| 04 | Plan and pricing | 07/08/2022 | 29/07/2022 |
| 05 | Top movie charts/ most popular now | 07/08/2022 | 31/07/2022 |
| 06 | Release calendar | 07/08/2022 | 27/07/2022 |
| 07 | Recommendation/ Already watched/ Favorites/ Not interested | 07/08/2022 | 27/07/2022 |
| 08 | Contact and Help Center/ Feedback | 07/08/2022 | 31/07/2022 |
| 09 | Interface for admin | 07/08/2022 | 24/07/2022 |
| 10 | GUI | 24/07/2022 | 16/07/2022 |

### Project Schedule

A picture containing text, worm

Description automatically generated

## Project Monitoring and Control

### 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.

### Risk Management

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Risk ID | Risk Description | Probability | Impact | Priority | Mitigation Strategy or Contingency Plan |
|  | Website function cannot work perfectly as expected | Likely | Product | High | Clean code and always test thoroughly before releasing. |
|  | Staff trouble (sickness, accident,…) | Seldom | Project | Low | Reorganise team and give extra training (if necessary) for the one who assigned to new position. |
|  | Database performance | Occational | Product | Medium | Investigate what cause the problem, change database (if necessary). |

### Configuration Management

|  |  |
| --- | --- |
| Tools | URL |
| Drive | [Click here](https://drive.google.com/drive/folders/1JK9fNKFzYwXub6wM5QPNBctCqMN0Omxp?usp=sharing) |
| GitHub | [Click here](https://github.com/teddythinh/Introduction-To-Software-Engineering-Group-8.git) |
| Slack | [Click here](https://join.slack.com/t/introductiont-c7k5747/shared_invite/zt-19req1iu8-npAct~J2EekQ8b_6~VRFjg) |
| Trello | [Click here](https://trello.com/invite/group08intro2se/f71f01f536d0d98ff2ef1caa88f1c9e5) |