PROJECT DOCUMENTATION

**LESSONS LEARNED REPORT**

|  |  |
| --- | --- |
| **Project:** | **MasterSab** |
| Release: 2020-05-06 |  |
| Date: 2020-05-11 |  |
|  |  |
| **PRINCE2** |  |
|  |  |
| Author: Project Manager |  |
| Owner: Group 1 |  |
| Client: Patan College for professional studies |  |
| Document Ref: |  |
| Version No: 1.1 |  |

# 1 Lessons Learned Report History

## 1.1 Document Location

This document is only valid on the day it was printed.

The source of the document will be found on the project's PC in location

## 1.2 Revision History

**Date of this revision:**

**Date of Next revision:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision date** | **Previous revision date** | **Summary of Changes** | **Changes marked** |
| 2020-05-10 | 2020-05-05 | Report is completed after completion of project. Deviation and measurement effort is updated after feedback from supervisor | Deviation, measurement efforts |

## 1.3 Approvals

This document requires the following approvals.

Signed approval forms are filed in the Management section of the project files.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Signature** | **Title** | **Date of Issue** | **Version** |
| Lokendra Dangi |  | Lesson learned Report V1.1 | 2020-05-06 | V1.1 |

## 1.4 Distribution

This document has been distributed to:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Title** | **Date of Issue** | **Version** |
| Kumod Khadka,  Prabin Chapagain | Lesson learned Report V1.1 | 2020-05-06 | V1.1 |

# 2 Table of Contents

Page

### 1 Lessons Learned Report History 1

1.1 Document Location 1

1.2 Revision History

1.3 Approvals

1.4 Distribution

### 2 Table of Contents

### 3 Purpose

### 4 Management/Quality Process Assessment

### 5 Deviations

### 6 Method/Tool Assessment

### 7 Project Issues

### 8 Recommendations

### 9 Measurements of Effort

### 10 Statistics

# Lessons Learned Log

## 3 Purpose

The main purpose of this document is to express the experience gained during the project and how it helps to implement those skill in real world application. The lesson learned report will review our management and quality process of the project whether the project is fulfilling it goals or not. This report records each and every performance of the project whether the deviation in every step of the project from the huddle of the project. After all this report help to learn a lot of thing from old mistake and not to follow those again and again.

## 4 Management/Quality Process Assessment

To manage any project, it is necessary to follow any method with modern tools and technique to complete the project on date with fulfilment user requirement. So, in this project various tools and techniques are used for managing project and maintain project quality. Gannt chart and project plan are prepare are initial phase of the project so that project is run on smooth time frame. Team responsibility is divided using RACI matrix so that every member realizes their importance on the project. For communication among group member tools like slack and messenger are use. Task are allocated in Trello to every group with them responsibly toward each task. For maintaining quality of the project, quality assessment techniques like quality plan, quality register and quality review techniques were performed strictly code of conduct is following by every member to keep discipline.

## 5 Deviations

The project did not deviate from goals and objective, apart from the tools like Trello and project plan should be changed due COVID 19 lockdown. As the college were under the lockdown down due to the COVID 19 pandemic so there is no regular class and no supervisor meeting. So, change all the meeting schedule through messenger on weekly basis and Trello is used is allocate task among the group member as previous tools is available for paid version after 1 month.

The major deviation of the project is to implement a multiplayer player module in the test section.

## 6 Method/Tool Performance

1. **Design Tools**

We used Adobe XD to design all low-fi and mid-fi diagram of the system

1. **UML Diagram**

All the UML diagram such as use-case, activity diagram, sequence diagram is design using visual paradigm.

1. **Visual Studio Code**

Visual studio code version 1.45 is used as ide to used write code. Which support almost all extension to manage code and imports.

## 7 Project Issues

There have been a few issues regarding ‘MasterSab’ application. Some issues are relatively small and resolved by discuss with the group member and also rectified, as stated in the issue log. However, the few issues which did occur with in the project, potentially could have caused a lot of disruption and damage to the outcome of the project and also delay the time schedule as per the project plan. However due to the risk plan we had set all those issues.

On such issue lack of understanding of document format provide by the UOB. The document format provide by the university is not feasible to understand so most of the time is spend is going to understand document. This issue is resolved by the documenter by continues discussion with another group member and supervisor of the project.

Another issue is team member not attending a meeting and lack of communication among group member after the college is closed due to **COVID 19** pandemic which lead change a project plan and set different time schedule for meeting and also change a communication platform to communicate among group member. This issue is resolved after phone call with group member ask their suitable time and date for meeting and their project performance is observed through weekly meeting and GitLab.

The major issue we faced during a deployment of the project. As the project is college project and we did not have sufficient balance to buy a hosting for the deployment, so we used free hosting platform such as **Heruko** and **Netlify.** The project is run complete fine on the local machine but when the project is several issues occurred such as some of the page are not render and while redirecting page are loaded. After all those issues are resolved by tester after unit testing and module testing of the system. The lesson learned after this project is that we must used docker so that we do not faced such deployment issues after the completion of the project.

## 8 Recommendations

Proper planning along with proper strategy lead the project to meet its goal. In the initial phase of the group formation member should be selected properly and their role should be assigned at the initial phase of the project. Within the team member first and foremost the project manager and Quality Assurance task should be selected and assigned sensibly. The project manager must skill to manage team and lead project and also encourage team member. Communication between team member should be frequently and co-operative and everyone views, and opinions should be appreciated. Each team member should be co-operative to each other and support each other in hardship. This strong bonding between the overall team members makes the assigned project successful on time. Miscommunication between the team members is harm to the project because it leads to faulty project requirement analysis and the maintenance of issue log becomes tedious and unmanaged

## 9 Measurements of Effort

Every team member play equally important role to achieve it goals and objectives. The project manager leads a project and maintain proper communication among group member and resolving a project related issue. The quality assurance implemented the defined project standard and team code of conduct throughout the project. The documenter maintains all the document on time and follow proper document standard provided by university. Finally, developer developed a project as schedule time and tested all the modules of the project following all coding standard.

## 10 Statistics

After the completion of the project and during the project different issues are arises. During the project schedule time each and every issue are resolved with risk plan and maintain issues log to not follow those mistaken another time. Here are some issues arises after completion of the project.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. N | Issues | Expected Result | Actual Result | Status |
| 1 | Deployment issue | The project must run as run on the local machine. | Failed to load some pages after deployment. | Solved |
| 2 | Images sizes and loading | Images are loaded smoothly as text loaded | Images are loaded very slow as text are load fast | Not solved because we used free hosting. |
| 3 | Design inaccuracy | The design should match exact with mid-fi diagram | Design are not match with mid-fi | Solved |