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| **FPT UNIVERSITY** |
| **Project Plan** |
| Internet-connected Devices Checking System |
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| |  |  |  | | --- | --- | --- | | **IDCS TEAM** | | | | **Group Members** | Nguyễn Quý Đôn | SE04468 | | Nguyễn Quý Tuấn | SE04330 | | Phạm Công Minh | SE04098 | | **Supervisor** | Lectuer : Phan Duy Hùng | | |
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| - Hanoi, 10/2019 - |

1. ***Introduction***

This document provides an overview of the project plan, including software model, project organization and project schedule plan. Moreover, the document also has communication management, configuration management and risk management.

All team member must use this chapter as a guideline for tracking assigned task and deadlines.

1. ***Project Organization***
   1. ***Project Description***

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| --- | --- |
| Project Name : | Internet-connected Devices Checking System |
| Project Code : | IDCS |
| Project Type : | Web Application Platform |
| Project Category : | Checking Security System |
| Business Type : | Online Customer Services |
| Project Instructor : | Phan Duy Hùng |
| Project Manager : | Phạm Công Minh |
| Time line : | 10/9/2019 – 24/12/2019 |

In this project, we will develop a Web application will named Internet-connected Devices Checking System, which help a customer to check open port, services running in to server and vulnerability if have. We also give solution based on vulnerabilities you have.

* 1. ***Scope***

The scope of this project includes these stages:

* Develop requirement team made and software requirement specification.
* Develop architecture and detailed design document.
* Coding and unit testing.
* Deployed the application in server.
* Develop test case and execute combination test

The application has these main function

* Check port, services, security check
* Export and Support user
  1. ***Standard Objectives***
* Project must be finished before 31 December 2019
* All team member give best effort to complete this project
* The final application covers more than 100% of requirement
  1. ***Milestone and deliverables***

|  |  |  |
| --- | --- | --- |
| *No* | *Milestone* | *Delivery Date* |
| 1 | Project Registration | 09/08/2019 |
| 2 | Submit Report No.1 | 23/09/2019 |
| 3 | Submit Report No.2 | 07/10/2019 |
| 4 | Submit Report No.3 | 24/10/2019 |
| 5 | Submit Report No.4 | 29/10/2019 |
| 6 | Submit Report No.5 | 13/12/2019 |
| 7 | Submit Report No.6 | 17/12/2019 |
| 8 | Submit Final Report | 18/12/2019 |
| 9 | Submit Project Resource | 25/12/2019 |
| 10 | Thesis Defense | 03/01/2019 |

1. ***Project Organization***
   1. ***Purpose***

This chapter provides an overview of the project plan, including software process model, project organization and project management plan. All team members must use this chapter as a guild line for tracking assigned task and deadlines. This chapter also included an overview of this project and team members.

* 1. ***Software Process Model***

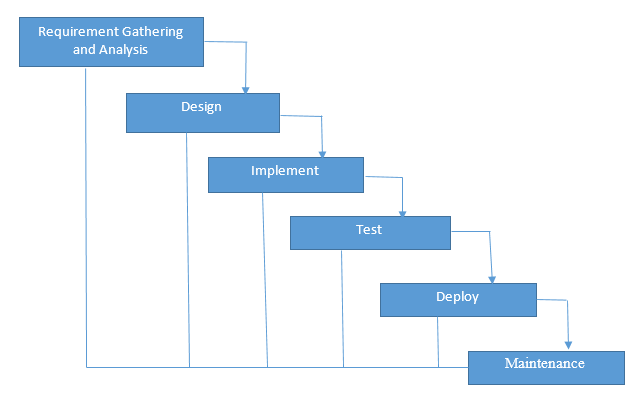


Figure 1

Figure 1-1 Waterfall Software Process Model (image: Internet)

Our Project uses The Waterfall Software Process Model.

The Waterfall Model is a linear or sequential approach to project management and works based on fixed dates, requirements, and outcomes. Teams do not require consistent communication and, unless specific integrations are required, can be self-contained. Team member can also work independently and are often required to provide status reports somewhat less frequently.

The Project scope stay relatively static, meaning cost and timelines can be determined early on in this project. A structure approach to a project means that everyone understands what needs to be done and when.

* 1. ***Roles and Responsibilities***

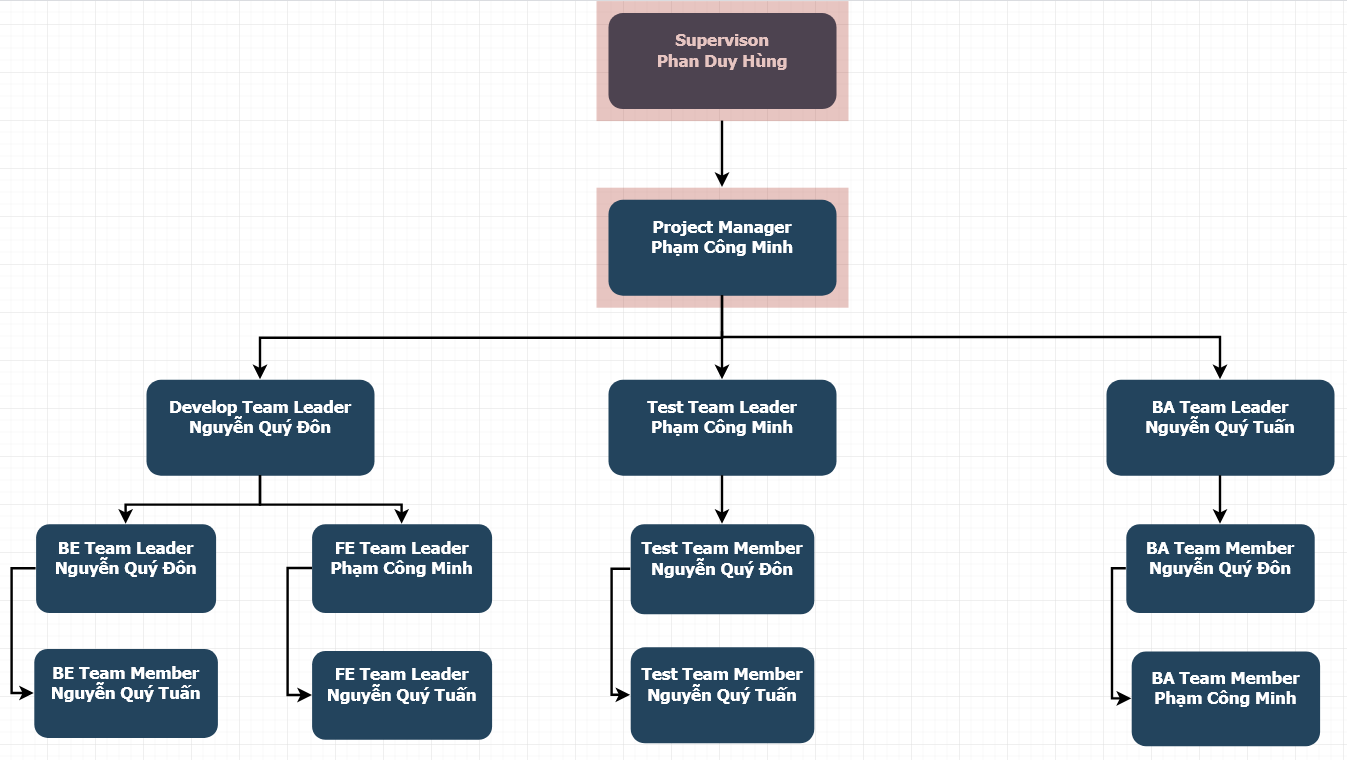


Figure 2

* + 1. ***Organizational Structure***

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| --- | --- |
| *Role* | *Responsibility* |
| Project Manager | Responsible for leading the team and managing the whole project, planning, defining scope, developing schedules, coordinating communication, analyzing and managing risks. |
| Technical Leader | Responsible for choosing and deciding what technologies should be used, as well as for overseeing the work being done by other developers. |
| Business Analyst | Responsible for analyzing business, processes and systems. |
| Tester | Responsible for conducting tests. |
| Back-end Developer | Responsible for server-side web application logic and integration of the work front-end developers do. |
| Front-end Developer | Responsible for implementing visual elements that users see and interact with in a web application. |

Table 1

* + 1. ***Project Team Member***

|  |  |
| --- | --- |
| *Team Member* | *Roles* |
| Phạm Công Minh | Project Manager, Front-end Team Leader, Tester, Business Analyst, Designer |
| Nguyễn Quý Đôn | Back-end Team Leader, Technical Leader, Tester, Business Analyst, Designer |
| Nguyễn Quý Tuấn | Front-end Back-end Developer, Tester, Business Analyst, Designer |

Table 2

1. ***Project Management Plan***
   1. ***Project Schedule***

To deploy this project effectively, according to this schedule, we will follow the each tasks in project

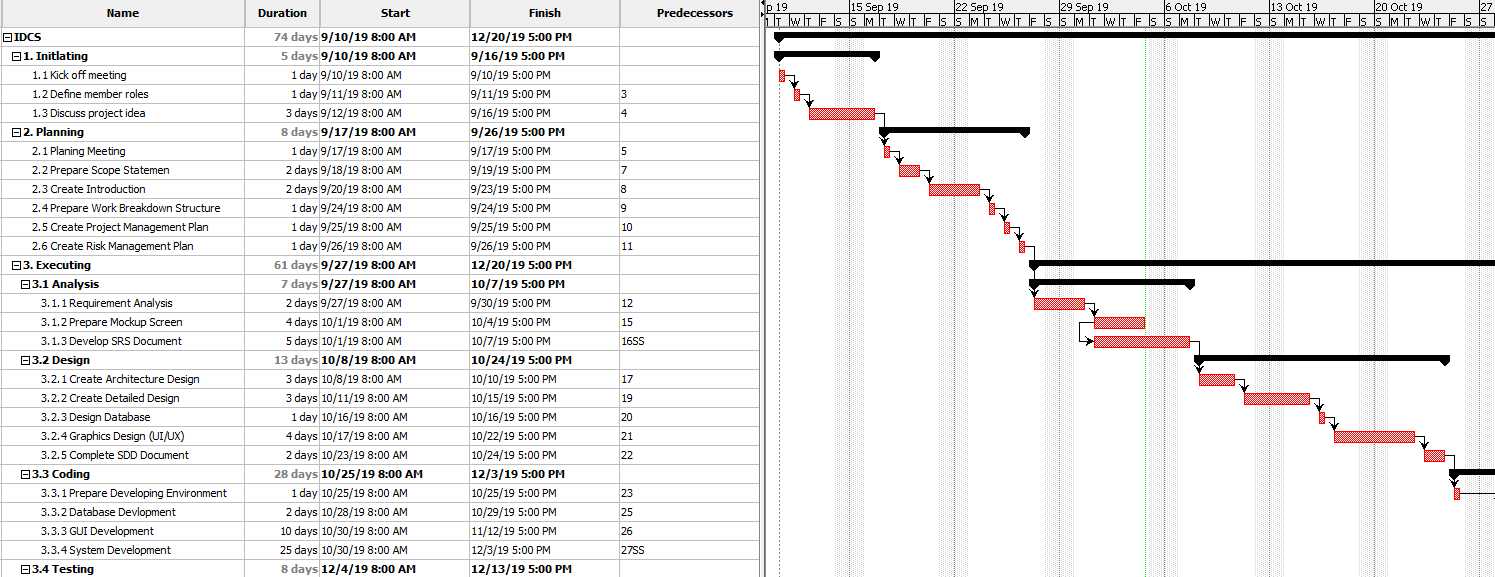


Figure 3

* 1. ***Communication Management***
     1. ***Communication between members***

**Weekly meeting schedule:**

Team will have a meeting every Saturday to report the process of whole team’s current task and assign new task. If have any issue, we will discuss and find solution together. If it is too difficult and can’t be solved by ourselves, we will ask our supervisor for advises.

**Unscheduled meeting:**

If someone has an important problem want to be solved immediately, we will have a meeting with social network like Skype, FaceTime because we are apart.

**Communication channel:**

Our main communication channels are Facebook Messenger, Email, Skype, Trello, face-to-face meeting. However, sometimes can make a phone call or instant message if someone has problem.

* + 1. ***Communication with supervisor***

**Face-to-Face meeting:**

Weekly on every Thursday afternoon to make sure that supervisor can keep tracking of the team’s progress.

**E-mail:**

Gmail is the faster way to get advice and document checking form supervisor.

**Mobile Phone:**

Is used to get time and place arranged for the meeting every weeks

* + 1. ***Meeting Plan***
       1. ***Meeting minutes***

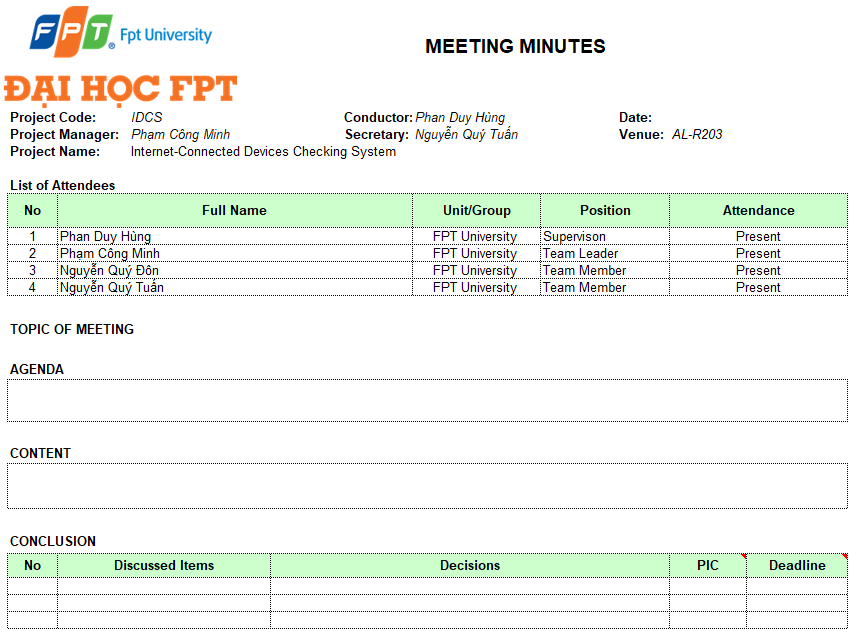


Table 3

* + - 1. ***Progress Report***

Project Progress reports are delivered Supervisor every week. Below is the sample of our progress report:

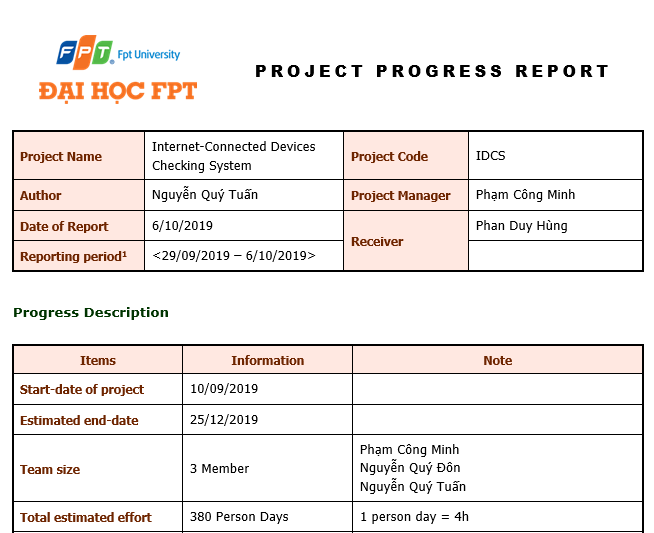


Figure 4

* 1. ***Coding Conventions***
     1. ***Front end***

Folder/