

**CAPSTONE PROJECT 1**

**ROOMY**

**PROJECT PLAN DOCUMENT**

Version 1.0

Date: Aug 15, 2018

**PROJECT TEAM** : BLUE TEAM

**MENTOR** : MSc. VO VAN SON

**TEAM’S MEMBER** : HUYNH QUOC NHAT

LE HOANG QUOC

HO TRUNG ANH

HUYNH VU HA LAN

HUYNH THI THANH VAN

**INTERNATIONAL SCHOOL**

**Project Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Tittle** | ROOMY | | | |
| **Start Date** | Aug 1, 2018 | | **End Date** | Dec 05, 2018 |
| **Lead Institution** | International School, Duy Tan University | | | |
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| **1.0** | Huynh Vu Ha Lan | Sep 15, 2018 | Create Project plan document |

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| **Document Approval**  The following signatures are required for approval of this document | | | |
| **Mentor & Customer** | MSc. Vo Van Son | **Signature:** |  |
| **Date:** |  |
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| **Date:** |  |
| **Product Owner** | Huynh Thi Thanh Van | **Signature:** |  |
| **Date:** |  |
| **Team Member** | Le Hoang Quoc | **Signature:** |  |
|  | **Date:** |  |
| Huynh Quoc Nhat | **Signature:** |  |
|  | **Date:** |  |
| Ho Trung Anh | **Signature:** |  |
|  | **Date:** |  |

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1. **Introduction:**
   1. **Purpose:**

This document provides a summary of the project's objectives, division of work, the major milestones, required resources, time and overall schedule and budget allocation used and based on the document proposal to build an expense management application on time, at the request and plan.

* 1. **Project Overview:**

Reference to [Proposal\_v1.2.docx](../1_Proposal/Proposal_v1.2.docx).

* 1. **Project Deliverable:**

Project will be implemented for user and business

1. **Team Organization:**
   1. **Scrum Team Information:**

***Table 1: Scrum Team Organization.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Full Name** | **Phone** | **Email** | **Position** |
| PhanVan Son | 0905151655 | [sonpvs@duytan.edu.vn](mailto:sonpvs@duytan.edu.vn) | Mentor |
| Huynh Quoc Nhat | 0905740256 | [huynhquocnhat97@gmail.com](mailto:huynhquocnhat97@gmail.com) | Scrum Master |
| Le Hoang Quoc | 01686230218 | [quocle28292@gmail.com](mailto:quocle28292@gmail.com) | Member |
| Hồ Trung Anh | 09055258534 | [hotrunganhht1912@gmail.com](mailto:hotrunganhht1912@gmail.com) | Member |
| Huỳnh Vũ Hạ Lan | 01675373265 | [huynhvuhalan.97@gmail.com](mailto:huynhvuhalan.97@gmail.com) | Member |
| Huynh Thi Thanh Van | 01229444661 | [thanhvandb97@gmail.com](mailto:thanhvandb97@gmail.com) | Member |

* 1. **Role and Responsibility:**

***Table 2: Role and Responsibilities.***

|  |  |  |
| --- | --- | --- |
| **Role** | **Responsibility** | **Name/Title** |
| **Product Owner** | * Understand the user and customers with their needs. * Collaborate with the development team. * Manage the stakeholders. * Describe the user experience and product features. * Provides detail user stories. | Huynh Thi Thanh Van |
| **Scrum Master** | * Communicate the value of Scrum * Teach the organization on Scrum to maximize business value * Attend all Scrum meetings * Preserve the integrity and spirit of the Scrum framework * Maintain the focus of the Team * Make the Team aware of impediments and facilitate efforts to resolve them * Serve as a coach and mentor to members of the Team * Respectfully hold the Team, Product Owner and Stakeholders accountable for their commitments * Continually work with the Team and business to find and implement improvements | Huynh Vu Ha Lan |
| **Secretary** | * Record the content of group meetings and activities of the member | Ho Trung Anh |
| **Reviewer** | * Review documents | Huynh Vu Ha Lan |
| **Developer** | * Analysis of the functions and requirements of the product. * Code and test. * Fix error. | All Members |
| **Analyzer** | * Gather user stories. * Analysis user story to do specify Document. | All Members |
| **Tester** | * Do the Test plan * Creation of test designs, test processes, test cases and test data. * Carry out testing as per the defined procedures. * Graph the results and make sure people know when test results decline. * Prepare all reports related to software testing carried out. * Analysis and evaluate the Test result. * Ensure that all tested related work is carried out as per the defined standards and procedures. | All Members |
| **Mentor** | * Guide on the process. * Monitoring all activities of Team. * Help with anything. | MSc, Phan Van Son |

* 1. **Communication Methodology:**

***Table 3: Communication Methodology.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Audience/ Attendees** | **Topic/ Deliverable** | **Frequency** | **Method** |
| **Mentor and Team member** | Project Progress Review | Weekly | Meeting, Email,  Google driver |
| **Product Owner, Scrum Master, Secretary** | Project Progress Review | Daily | Meeting, Conference Meeting |
| **Product Owner, Scrum Master, Secretary** | Explicit Requirement | When needed | Email, Facebook |
| **Scrum Master and Team Member** | Project Progress Review and Daily Meeting | Daily | Email, Facebook |

* 1. **Communication and Report:**

***Table 4: Communication and Report.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of communication** | **Methods, tools** | **Frequency** | **Information** | **People** |
| **Communication among in group** | | | | |
| **Daily Meetings** | Facebook or direct | Every two day | Informed about what was done in the last 24 hours, working on plans for today, the difficulties encountered and the solutions required, just meeting 10-15 minutes. | Project team |
| **Task Planning Meeting** | Meet face to face | 15-20 days | All members in team together to analyze the requirements, functions, working on the sprint going to do, planning and design for the sprint. | Project team ,Product Owner |
| **Task Review Meeting** | Meet face to face | 15-20 days | Complete documentation. For each stage, sharing materials, given the strengths and weaknesses for each. Period for each member and the solution calculated measurement project. | Project team ,Product Owner |
| **Task Management** | Google driver | Every day | A web based task tracking system. To manage or divide task, report bugs/issues. | Project team. |

1. **Schedule and Cost:**
   1. **Detailed Schedule:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Task Name** | Start | Finish | **Effort** | **Resource Names** |
| 1 | **Initial** | Aug 17, 18 | Aug 25, 18 | 50 hrs |  |
| 1.1 | Gathering Requirement | Aug 17, 18 | Aug 18, 18 | 8 hrs | Team |
| 1.2 | Create Proposal Document | Aug 20, 18 | Aug 25, 18 | 20 hrs | Team |
| 1.2.1 | Introduction | Aug 20, 18 | Aug 20, 18 | 2 hrs | Thanh Van |
| 1.2.2 | Project Overview | Aug 20, 18 | Aug 20, 18 | 4 hrs | Ha Lan |
| 1.2.3 | Stakeholder and User Descriptions | Aug 21, 18 | Aug 25, 18 | 8 hrs | Hoang Quoc |
| 1.2.4 | Technical Constraints and Development process | Aug 22, 18 | Aug 23, 18 | 3 hrs | Trung Anh |
| 1.2.5 | Scrum Process | Aug 23, 18 | Aug 23, 18 | 1 hrs | Trung Anh |
| 1.2.6 | Master plan | Aug 23, 18 | Aug 24, 18 | 2 hrs | Hoang Quoc |
| 1.2.7 | Organization management | Aug 24, 18 | Aug 25, 18 | 2 hrs | Quoc Nhat |
| 2 | **Start Up** | Aug 25, 18 | Sep 05, 18 | 45 hrs |  |
| 2.1 | Project’s Meeting | Aug 25, 18 | Aug 25, 18 | 5 hrs | Team |
| 2.2 | Create User Stories Document | Aug 26, 18 | Aug 28, 18 | 12 hrs | Van, Quoc, Nhat |
| 2.3 | Create Product Backlog Document | Aug 27, 18 | Aug 29, 18 | 8 hrs | Ha Lan, Trung Anh |
| 2.4 | Review Document | Aug 29, 18 | Aug 29, 18 | 6 hrs | Team |
| 2.5 | Create Project Plan Document | Aug 30, 18 | Aug 31, 17 | 6 hrs | Hoang Quoc |
| 2.7 | Create Architecture Design Document | Sep 4, 18 | Sep 5, 18 | 5 hrs | Nhat, Van |
| 2.8 | Review Document | Sep 5, 18 | Sep 5, 18 | 3 hrs | Ha Lan |
| **3** | **Development** | Sep 6, 18 | Nov 30, 18 |  |  |
| **3.1** | **Sprint 1 (Renter)** | Sep 6, 18 | Oct 3, 18 | **113 hrs** |  |
| 3.1.1 | Sprint Planning Meeting | Sep 6, 18 | Sep 6, 18 | 4 hrs | Team |
| 3.1.2 | Daily Meeting | Sep 6, 18 | Oct 3, 18 | 15 mins | Team |
| 3.1.3 | Create Sprint Backlog | Sep 7, 18 | Sep 7, 18 | 3 hrs | Ha Lan |
| 3.1.4 | Create Test Plan document for Sprint 1 | Sep 8, 18 | Sep 8, 18 | 2 hrs | Quoc Nhat |
| 3.1.5 | Create Database document for Sprint 1 | Sep 8, 18 | Sep 12, 18 | 3 hrs | Trung Anh, Hoang Quoc |
| 3.1.6 | Review Database document | Sep 12, 18 | Sep 12,18 | 3 hrs | Team |
| **3.1.7** | **Design user interface** |  |  | **7.5 hrs** |  |
| 3.1.7.1 | Design user interface of Home page | Sep 13, 18 | Sep 13, 18 | 2 | Thanh Van, Ha Lan |
| 3.1.7.2 | Design user interface of Register Account | Sep 14, 18 | Sep 14, 18 | 0.5 | Hoang Quoc |
| 3.1.7.3 | Design user interface of Login | Sep 14, 18 | Sep 14, 18 | 1 | Trung Anh |
| 3.1.7.4 | Design user interface of View Accommodation Information | Sep 15, 18 | Sep 15, 18 | 3 | Hoang Quoc, Quoc Nhat |
| 3.1.7.5 | Design user interface of Booking Accommodation | Sep 15, 18 | Sep 15, 18 | 1 | Trung Anh |
| **3.1.8** | **Test Design Interface** | **Sep 16, 18** | **Sep 17, 18** | **8** |  |
| 3.1.8.1 | Test Design user interface of Home page | Sep 16, 18 | Sep 16, 18 | **2** | Hoang Quoc |
| 3.1.8.2 | Test Design user interface of Register Account | Sep 16, 18 | Sep 16, 18 | **1** | Trung Anh |
| 3.1.8.3 | Test Design user interface of Login | Sep 17, 18 | Sep 17, 18 | 1 | Quoc Nhat |
| 3.1.8.4 | Test Design user interface of View Accommodation | Sep 17, 18 | Sep 17, 18 | 2 | Thanh Van |
| 3.1.8.5 | Test Design user interface of Booking Accommodation | Sep 17, 18 | Sep 17, 18 | 2 | Ha Lan |
| **3.1.9** | **Coding** |  |  |  |  |
| 3.1.9.1 | Code front-end for Home page | Sep 18, 18 | Sep 19, 18 | **3** | Ha Lan |
| 3.1.9.2 | Code back-end for Home page | Sep 19, 18 | Sep 21, 18 | **3** | Quoc Nhat |
| 3.1.9.3 | Code front-end for Register Account | Sep 18, 18 | Sep 19, 18 | **1.5** | Thanh Van |
| 3.1.9.4 | Code back-end for Register Account | Sep 19, 18 | Sep 21, 18 | **2** | Trung Anh |
| 3.1.9.5 | Code front-end for Login | Sep 18, 18 | Sep 18, 18 | **1.5** | Hoang Quoc |
| 3.1.9.6 | Code back-end for Login | Sep 19, 18 | Sep 19, 18 | **2** | Hoang Quoc |
| 3.1.9.7 | Code front-end View Accommodation | Sep 19, 18 | Sep 20, 18 | **3** | Ha Lan |
| 3.1.9.8 | Code Back-end for View Accommodation | Sep 21, 18 | Sep 22, 18 | **3** | Trung Anh |
| 3.1.9.9 | Code front-end Booking Accommodation | Sep 20, 18 | Sep 21, 18 | **2** | Hoang Quoc |
| 3.1.9.10 | Code back-end Booking Accommodation | Sep 21, 18 | Sep 23, 18 | **3** | Quoc Nhat |
| **3.1.10** | **Testing** |  |  | **6** |  |  |  |  |  |  |
| 3.1.10.1 | Design Test Case for Homepage | Sep 24, 18 | Sep 24, 18 | 2 | Ha Lan |  |  |  |  |  |
| 3.2.10.2 | Design Test Case for Register | Sep 24, 18 | Sep 24, 18 | 1 | Thanh Van |  |  |  |  |  |
| 3.1.10.3 | Design Test Case for Login | Sep 24, 18 | Sep 24, 18 | 1 | Hoang Quoc |  |  |  |  |  |
| 3.1.10.4 | Design Test Case for View Accommodation | Sep 24, 18 | Sep 25, 18 | 2 | Hoang Quoc |  |  |  |  |  |
| 3.1.10.5 | Design Test Case for Booking Accommodation | Sep 24, 18 | Sep 25, 18 | 2 | Thanh Van |  |  |  |  |  |
| **3.2.11** | **Fix Bug & Release** |  |  |  |  |
| 3.2.11.1 | Implement Test Case | Sep 24, 18 | Sep 28, 18 | 5 | Team |
| 3.1.11.2 | Fix bugs and Report | Sep 28, 18 | Sep 30, 18 | 5 | Team |
| 3.1.11.3 | Retest | Oct 1, 18 | Oct 2, 18 | 3 | Team |
| 3.1.11.4 | Closing | Oct 3, 18 | Oct 3, 18 | 1 | Team |
| **3.2** | **Sprint 2(Renter and Landlord)** | **Oct 4, 18** | **Oct 31, 18** |  |  |
| 3.2.1 | Sprint Planning Meeting | Oct 4, 18 | Oct 4, 18 | 4 hrs | Team |
| 3.2.2 | Daily Meeting | Oct 5, 18 | Oct 31, 18 | 15 mins | Team |
| 3.2.3 | Create Sprint Backlog | Oct 5, 18 | Oct 5, 18 | 1 hrs | Hoang Quoc |
| 3.2.4 | Create Test Plan document for Sprint 2 | Oct 5, 18 | Oct 5, 18 | 1 hrs | Ha Lan |
| 3.2.5 | Create Database document for sprint 2 | Oct 5, 18 | Oct 6, 18 | 2 hrs | Trung Anh |
| 3.2.6 | Review Document | Oct 6, 18 | Oct 7, 18 | 2 hrs | Team |
| **3.2.4** | **Design user interface** |  |  |  |  |
| 3.2.4.1 | Design user interface of Post to find Roommate (Renter) | Oct 6, 18 | Oct 6, 18 | 2 hrs | Quoc Nhat |
| 3.2.4.2 | Design user interface of Search accommodation information( Renter) | Oct 6 , 18 | Oct 6, 18 | 1 hrs | Hoang Quoc |
| 3.2.4.3 | Design user interface of Add accommodation information(Landlord) | Oct 6, 18 | Oct 7, 18 | 2 hrs | Trung Anh |
| 3.2.4.4 | Design user interface of Update accommodation information(Landlord) | Oct 6, 18 | Oct 7, 18 | 0.5 hrs | Ha Lan |
| 3.2.4.5 | Design user interface of Delete accommodation information (Landlord) | Oct 6, 18 | Oct 7, 18 | 0.5 hrs | Ha Lan |
| 3.2.4.6 | Design user interface of Search accommodation information (Landlord) | Oct 7, 18 | Oct 8, 18 | 1 hrs | Thanh Van |
| 3.2.4.7 | Design user interface of View accommodation information (Landlord) | Oct 7, 18 | Oct 8, 18 | 2 | Quoc Nhat |
| 3.2.4.8 | Design user interface of Update Account | Oct 8, 18 | Oct 8, 18 | 0.5 hrs | Ha Lan |
| 3.2.4.9 | Design user interface of View Account Information | Oct 8, 18 | Oct 8, 18 | 0.5 hrs | Thanh Van |
| 3.2.4.10 | Design user interface of Statistics on rooms | Oct 8, 18 | Oct 8, 18 | 1 hrs | Trung Anh |
| **3.2.5** | **Coding** |  |  |  |  |
| 3.2.5.1 | Code front-end of Post to find Roommate(Renter) | Oct 9, 18 | Oct 9, 18 | 2 hrs | Quoc Nhat |
| 3.2.5.2 | Code back-end of Post to find Roommate(Renter) | Oct 10, 18 | Oct 12, 18 | 3 hrs | Quoc Nhat |
| 3.2.5.3 | Code front-end of Search accommodation information( Renter) | Oct 9, 18 | Oct 9, 18 | 2 hrs | Thanh Van |
| 3.2.5.4 | Code back-end of Search accommodation information( Renter) | Oct 10, 18 | Oct 12, 18 | 1.5 hrs | Trung Anh |
| 3.2.5.5 | Code front-end Add accommodation information(Landlord) | Oct 10, 18 | Oct 11, 18 | 1 hrs | Hoang Quoc |
| 3.2.5.6 | Code back-end of Add accommodation information(Landlord) | Oct 12, 18 | Oct 13, 18 | 2 hrs | Quoc Nhat |
| 3.2.5.7 | Code front-end of Update accommodation information(Landlord) | Oct 12, 18 | Oct 12, 18 | **1 hrs** | Hoang Quoc |
| 3.2.5.8 | Code back-end of Update accommodation information(Landlord) | Oct 14, 18 | Oct 16, 18 | **1.5 hrs** | Trung Anh |
| 3.2.5.9 | Code front-end of Delete accommodation information(Landlord) | Oct 13, 18 | Oct 13, 18 | 1 hrs | Ha Lan |
| 3.2.5.10 | Code back-end of Delete accommodation information(Landlord) | Oct 14, 18 | Oct 14, 18 | 1 hrs | Hoang Quoc |
| 3.2.5.11 | Code front-end of View accommodation information(Landlord) | Oct 14, 18 | Oct 14, 18 | 1 hrs | Ha Lan |
| 3.2.5.12 | Code back-end of View accommodation information(Landlord) | Oct 15, 18 | Oct 17, 18 | 1.5 hrs | Quoc Nhat |
| 3.2.5.13 | Code front-end of Search accommodation information (Landlord) | Oct 15, 18 | Oct 16, 18 | 1 hrs | Hoang Quoc |
| 3.2.5.14 | Code back-end of Search accommodation information (Landlord) | Oct 17, 18 | Oct 19, 18 | 2 hrs | Quoc Nhat |
| 3.2.5.15 | Code front-end of View Account Information | Oct 17, 18 | Oct 17, 18 | 1 hrs | Trung Anh |
| 3.2.5.16 | Code back-end View Account Information | Oct 18, 18 | Oct 18, 18 | 2 hrs | Trung Anh |
| 3.2.5.17 | Code front-end of Update Account | Oct 18, 18 | Oct 18, 18 | 1 hrs | Quoc Nhat |
| 3.2.5.18 | Code back-end of Update Account | Oct 18, 18 | Oct 19, 18 | 1 hrs | Hoang Quoc |
| 3.2.5.19 | Code front-end of Statistics on rooms | Oct 16, 18 | Oct 17, 18 | 2 hrs | Ha Lan |
| 3.2.5.20 | Code back- end of Statistics on rooms | Oct 20, 18 | Oct 20, 18 | 2 hrs | Hoang Quoc |
| **3.2.6** | **Testing** |  |  |  |  |
| 3.2.6.1 | Design Test Case for Post to find Roommate (Renter) | Oct 21, 18 | Oct 21, 18 | 1 hrs | Hoang Quoc |
| 3.2.6.2 | Design Test Case for Search Accommodation (Renter) | Oct 21, 18 | Oct 21 , 18 | 1 hrs | Quoc Nhat |
| 3.2.6.3 | Design Test Case for Add the accommodation (Landlord) | Oct 21, 18 | Oct 21, 18 | 1 hrs | Ha Lan |
| 3.2.6.4 | Design Test Case for Update the accommodation (Landlord) | Oct 21, 18 | Oct 21, 18 | 1 hrs | Thanh Van |
| 3.2.6.5 | Design Test Case for Delete the accommodation (Landlord) | Oct 21, 18 | Oct 21, 18 | 1 hrs | Trung Anh |
| 3.2.6.6 | Design Test Case for View accommodation (Landlord) | Oct 22, 18 | Oct 22, 18 | 1 hrs | Trung Anh |
| 3.2.6.7 | Design Test Case for Search the accommodation (Landlord) | Oct 22, 18 | Oct 22, 18 | 1.5 hrs | Thanh Van |
| 3.2.6.8 | Design Test Case for Update Account Information | Oct 22, 18 | Oct 22, 18 | 1 hrs | Ha Lan |
| 3.2.6.9 | Design Test Case for View Account Information | Oct 22, 18 | Oct 22, 18 | 1 hrs | Hoang Quoc |
| 3.2.6.10 | Design Test Case for Statistics on rooms | Oct 22, 18 | Oct 22, 18 | 1 hrs | Quoc Nhat |
| **3.2.7** | **Fix Bug and Release** |  |  |  |  |
| 3.2.7.1 | Implement Test Case | Oct 23, 18 | Oct 25, 18 | 10 hrs | Team |
| 3.2.7.2 | Fix bugs and Report | Oct 26, 18 | Oct 29, 18 | 16 hrs | Team |
| 3.2.7.3 | Retest | Oct 29, 18 | Oct 30, 18 | 10 hrs | Team |
| 3.2.7.4 | Closing | Oct 31,18 | Oct 31, 18 | 3 hrs | Team |
| **3.3** | **Sprint 3 (Admin)** | Nov 1, 18 | Nov 25,18 |  |  |
| 3.3.1 | Sprint Planning Meeting | Nov 1, 18 | Nov 1, 18 | **4** | Team |
| 3.3.2 | Create Sprint Backlog | Nov 2, 18 | Nov 2, 18 | **2** | Hoang Quoc |
| 3.3.3 | Create Test Plan document for Sprint 3 | Nov 2, 18 | Nov 3, 18 | **2** | Thanh Van |
| **3.3.4** | **Design user interface** |  |  |  |  |
| 3.3.4.1 | Design user interface of Statistic about accommodation | Nov 4, 18 | Nov 4, 18 | **1** | Hoang Quoc |
| 3.3.4.2 | Design user interface of Statistic about Landlord Account | Nov 4, 18 | Nov 4, 18 | **1** | Trung Anh |
| 3.3.4.3 | Design user interface of View List Accommodation | Nov 4, 18 | Nov 4, 18 | **1** | Quoc Nhat |
| 3.3.4.4 | Design user interface of Search accommodation(Admin) | Nov 4, 18 | Nov 4, 18 | **0.5** | Thanh Van |
| 3.3.4.5 | Design user interface of Delete Accommodation | Nov 5, 18 | Nov 5, 18 | **1** | Trung Anh |
| 3.3.4.6 | Design user interface of Login (Admin) | Nov 5, 18 | Nov 5, 18 | 0.5 | Ha Lan |
| 3.3.4.7 | Design user interface of Create Account (Admin) | Nov 5, 18 | Nov 5, 18 | 0.5 | Thanh Van |
| 3.3.4.8 | Design User Interface of Delete User Account | Nov 5, 18 | Nov 5, 18 | 0.5 | Ha Lan |
| 3.3.4.9 | Design user interface of View List User Account | Nov 5, 18 | Nov 5, 18 | 1 | Hoang Quoc |
| 3.3.4.10 | Design User Interface of Update Account (Admin) | Nov 5, 18 | Nov 5, 18 | 0.5 | Quoc Nhat |
| 3.3.4.11 | Design User interface of Report (Renter, Landlord) | Nov 6, 18 | Nov 6, 18 | 0.5 | Trung Anh |
| 3.3.4.13 | Design User Interface of View list Report (Admin) | Nov 6, 18 | Nov 6, 18 | 1 | Quoc Nhat |
| **3.3.5** | **Coding** |  |  |  |  |
| 3.3.5.1 | Code front-end Statistic about accommodation | Nov 5, 18 | Nov 5, 18 | **1** | Hoang Quoc |
| 3.3.5.2 | Code back-end of Statistic about accommodation | Nov 6, 18 | Nov 8, 18 | **1.5** | Quoc Nhat |
| 3.3.5.3 | Code front-end of Statistic about Landlord Account | Nov 5, 18 | Nov 5, 18 | **0.5** | Trung Anh |
| 3.3.5.4 | Code back-end of Statistic about Landlord Account | Nov 6, 18 | Nov 8, 18 | **1.5** | Trung Anh |
| 3.3.5.5 | Code front-end of View List Accommodation | Nov 6, 18 | Nov 6, 18 | **1** | Hoang Quoc |
| 3.3.5.6 | Code back-end of View List Accommodation | Nov 6, 18 | Nov 7, 18 | **1.5** | Hoang Quoc |
| 3.3.5.7 | Code front-end of Search accommodation(Admin) | Nov 7, 18 | Nov 9, 18 | **0.5** | Thanh Van |
| 3.3.5.8 | Code back-end of Search accommodation(Admin) | Nov 8, 18 | Nov 9, 18 | **1** | Quoc Nhat |
| 3.3.5.9 | Code front-end of Delete Accommodation | Nov 6, 18 | Nov 6, 18 | **1** | Ha Lan |
| 3.3.5.10 | Code back-end of Delete Accommodation | Nov 8, 18 | Nov 8, 18 | **1** | Hoang Quoc |
| 3.3.5.11 | Code front-end of Create Account (Admin) | Nov 9, 18 | Nov 9, 18 | **1** | Hoang Quoc |
| 3.3.5.12 | Code back-end of Create Account (Admin) | Nov 10, 18 | Nov 10, 18 | **1** | Trung Anh |
| 3.3.5.13 | Code front-end of Delete Account (Admin) | Nov 7, 18 | Nov 7, 18 | **0.5** | Ha Lan |
| 3.3.5.14 | Code back-end of Delete Account (Admin) | Nov 7, 18 | Nov 8, 18 | **1** | Ha Lan |
| 3.3.5.15 | Code front-end of Login (Admin) | Nov 11, 18 | Nov 11, 18 | **1** | Trung Anh |
| 3.3.5.16 | Code Back-end of Login (Admin) | Nov 11, 18 | Nov 12, 18 | **1** | Hoang Quoc |
| 3.3.5.17 | Code back-end View List User Account (Admin) | Nov 11, 18 | Nov 11, 18 | **1** | Quoc Nhat |
| 3.3.5.18 | Code Back-end of Code back-end View List User Account (Admin) | Nov 12, 18 | Nov 12, 18 | **1** | Quoc Nhat |
| 3.3.5.19 | Code front-end of Report (Renter, landlord) | Nov 11, 18 | Nov 11, 18 | **1** | Ha Lan |
| 3.3.5.20 | Code back-end of Report (Renter,Landlord) | Nov 12, 18 | Nov 13, 18 | **1** | Ha Lan |
| 3.3.5.21 | Code front-end of View List Report(Admin) | Nov 13, 18 | Nov 13, 18 | **1** | Hoang Quoc |
| 3.3.5.22 | Code back-end of View List Report (Admin) | Nov 14, 18 | Nov 15, 18 | **1.5** | Hoang Quoc |
| 3.3.5.23 | Code back-end of Log out | Nov 15, 18 | Nov 15, 18 | **0.5** | Thanh Van |
| **3.3.6** | **Testing & Fix Bug** |  |  |  |  |
| 3.3.6.1 | Design Test Case for Statistic about accommodation | Nov 16, 18 | Nov 16, 18 | 1.5 hrs | Hoang Quoc |
| 3.3.6.2 | Design Test Case for Statistic about Landlord Account | Nov 16, 18 | Nov 16, 18 | 1.5 hrs | Quoc Nhat |
| 3.3.6.3 | Design Test Case for View List Accommodation | Nov 16, 18 | Nov 16, 18 | 1 hrs | Ha Lan |
| 3.3.6.4 | Design Test Case for Search accommodation(Admin) | Nov 16, 18 | Nov 16, 18 | 1 hrs | Thanh Van |
| 3.3.6.5 | Design Test Case for Delete Accommodation | Nov 17, 18 | Nov 17, 18 | 1 hrs | Trung Anh |
| 3.3.6.6 | Design Test Case for Create Account (Admin) | Nov 17, 18 | Nov 17, 18 | 1 hrs | Hoang Quoc |
| 3.3.6.7 | Design Test Case for Delete Account (Admin) | Nov 17, 18 | Nov 17, 18 | 1 hrs | Quoc Nhat |
| 3.3.6.8 | Design Test Case for Login (Admin) | Nov 17, 18 | Nov 17, 18 | 1 hrs | Ha Lan |
| 3.3.6.9 | Design Test Case for View List User Account (Admin) | Nov 18, 18 | Nov 18, 18 | 1 hrs | Thanh Van |
| 3.3.6.10 | Design Test Case for of Report (Renter, landlord) | Nov 18, 18 | Nov 18, 18 | 1 hrs | Trung Anh |
| 3.3.6.11 | Design Test Case for View List Report(Admin) | Nov 18, 18 | Nov 18, 18 | 1 hrs | Quoc Nhat |
| 3.3.6.12 | Design Test Case for Log out | Nov 18, 18 | Nov 18, 18 | 1 hrs | Hoang Quoc |
| 3.3.6.13 | Implement Test Case | Nov 19, 18 | Nov 20, 18 | **15** | Team |
| 3.3.6.14 | Fix bugs and Report | Nov 21, 18 | Nov 26, 18 | **20** | Team |
| 3.3.6.15 | Retest | Nov 26, 18 | Nov 28, 17 | **10** | Team |
| 3.3.13 | **Release Sprint 3** |  |  |  |  |
| 3.3.14 | Sprint 3 Review Meeting | Nov 28, 18 | Nov 28, 18 | **1** | Team |
| 3.3.15 | Sprint 3 Retrospective | Nov 29, 18 | Nov 29, 18 | 1 | Team |

***Table 5: Detailed Schedule.***

* 1. **Cost:**
     1. **Cost Person/Hours**

|  |  |  |
| --- | --- | --- |
| **Full Name** | **Role** | **Salary Rate (USD/hour)** |
| Huynh Vu Ha Lan | Scrum Master | 1 |
| Le Hoang Quoc | Team Member | 1 |
| Huynh Quoc Nhat | Team Member | 1 |
| Ho Trung Anh | Team Member | 1 |
| Huynh Thi Thanh Van | Product Owner | 1 |

* + 1. **Total Cost Estimate**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Criteria** | **Price** | **Total (USD)** |
| 1 | Working hours | 1 |  |
| 2 | Gas cost support | 30 |  |
| 3 | Lunch cost support | 0.5 |  |
| 4 | PC’s depreciation | 37.5 |  |
|  | | |  |

|  |  |  |
| --- | --- | --- |
| **Description** | **Amount** | **Unit** |
| Number of members | 4 | Person |
| Number of working hour per day | 2 | Hours |
| The cost per hour per member | 1 | USD |
| Gas cost support per mount | 30 | USD |
| The duration of the project | 3 | Months |
| Lunch cost support per day | 0.5 | USD |
| Price of each computer | 600 | USD |
| The lifelong of each computer | 5 | Years |
| The time to use of each computer | 3 | Months |
| The number of working days | 100 | Days |

1. **Development Process:**

**Scrum Process**

* Scrum is an iterative and incremental agile software development framework for managing software projects and product or application development.
* Scrum focuses on project management institutions where it is difficult to plan ahead.
* Mechanisms of empirical process control, where feedback loops that constitute the core management technique are used as opposed to traditional command-and-control management.
* Its approach to planning and managing projects is by bringing decision-making authority to the level of operation properties and certainties.

Benefit of the methodology:

* Project can respond easily to change.
* Problems are identified early.
* Customer gets most beneficial work first.
* Work done will better meet the customer’s needs.
* Improved productivity.
* Ability to maintain a predictable schedule for delivery.

**Project’s Risk:**

***Table 7: Rating for likelihood and seriousness for each risk.***

|  |  |  |  |
| --- | --- | --- | --- |
| **Rating for Likelihood and Seriousness for each risk** | | | |
| **L** | Rated as Low | **E** | Rated as Extreme (Used for Seriousness only) |
| **M** | Rated as Medium | **NA** | Not Assessed |
| **H** | Rated as High |  |  |

***Table 8: Project Risk.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Definition** | **Level** | **Likelihood** | **Mitigation Strategy** |
| Estimates of project planning | The plan may be delayed for the initial estimate of the project. | L | L | Analysis and assessment of the scale.  Reduce requirements. |
| Requirements | Internal contradictions that may exist in the request.  Important requirements may be missing from the formal requirements specification. | H | H | Uniform requirements prior to analysis. |
| Estimated project schedule | Time sort of work. | M | M | Time project was created to be updated and evaluated regularly. |
| Programming experience | Programming Languages and technology | M | L | Experience sharing used to reduce the research time. |
| Technical processes | The standard procedure cannot meet the requirements of specific solutions.  The new process may be required.  The process can be improved and more efficient. | L | M | Analysis of requirements and processes to ensure appropriate levels.  If the new process is needed, we need to evaluate this response has improved over the old process. |
| Network | Block by Limited Bandwidth | H | H | Upgrade transmission line network |
| Time | Project implementation period is too short, so our team cannot complete this project on a short time.  During project implementation, our team to learn and have more work to do, our team cannot focus all their time to carry out this project. | H | M | Reduce time and increase individual personal time working in their stay on the 7th day and Sunday. |
| Project Management | Project management system may not be sufficient to support the requirements of the project. | L | H | Discuss with the group to offer solutions and consistent accuracy. |

1. **Work Breakdown Structure:**
2. **Deliverables:**

Table 9: Deliverables.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Document** | **Deadline** | **File Name** |
| 1 | Proposal Document. | 15 –Aug– 2017 | Proposal v1.1.docx |
| 2 | Project Plan Document & Schedule Plan. | 22–Aug– 2017 | Project Plan v1.0.docx |