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***PROJECT CHARTER***

***FOR***

***Residential Communication Channel System***

***Team 2 - GENTLEMAN***

***Revision***

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| --- | --- | --- | --- |
| *Author* | *Version* | *Date* | *Content* |
| *Vinh Nguyen* | ***1.1*** | *14/01/2018* | *Initiate Document and Update content* |
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1. ***Document Overview***
   * + The document provides an overview for the description of product, participants, scope and duration of the Residential Communication Channel project
2. ***Project and Product Overview***
   * + A Core API system that supports other modules in the real estate management system to manage the number of users who use the services of those modules.
     + Residential Communication Channel: The system also provides a communication channel between users, service providers, and administrators of this system. Help users who can communicate and find services, service providers who can reach users - who need to use their services quickly and system administrators can manage User and service provider activities to monitor status and troubleshoot problems, complaints from users. In addition, the system also develops artificial intelligence features to support users to find Service providers match them when they interact in the communication channel
3. ***Project Scope***
   1. ***Objective***
      * The objectives of project are:

* To developed a system to manage user account and their role in their system:
  + Manage User Account & Information
  + Manage Role Information
  + Manage Domain Information
  + Manage UserRole Information
  + Allow user can login to interact their service
* To developed an application to assist the Management Board and Residents in interacting with the community with the following features:
  + Assist the building management board to collect feedback from residents about issues that need to be addressed. From that, do the plan of implementation and monitor the implementation.
  + Provides a channel for exchanging information between the management and the building management and has a process for monitoring the operation of the building management.
  + Provide information channels for residents with the form of the integrated Chat room search information in the direction of AI is able to intelligently identify the keyword
* Complete the system on two platform : Web and Mobile
  1. ***High – Level Requirements***

|  |  |
| --- | --- |
| Req No. | Requirement Description |
| 1 | Manage User Account & Information |
| 2 | Manage Role Information |
| 3 | Manage Domain Information |
| 4 | Manage UserRole Information |
| 5 | Allow user can login to interact their service |
| 6 | Assist the building management board to collect feedback from residents about issues that need to be addressed. From that, do the plan of implementation and monitor the implementation. |
| 7 | Provides a channel for exchanging information between the management and the building management and has a process for monitoring the operation of the building management. |
| 8 | Provide information channels for residents with the form of the integrated Chat room search information in the direction of AI is able to intelligently identify the keyword |

* 1. ***Major Deliverable***

|  |  |  |
| --- | --- | --- |
| Deliverable Title | Artifacts Name | Description |
| Project Planning | ***RCC\_PM\_ProjectPlan*** | Provides an overview of the project and summarizes key elements of the project that the project team must pay attention to and implement. |
| Project Master & Detail Plan | ***RCC\_PM\_Master&DetailPlan*** | The Master Plan will show the overall progress of project.  The Detail Plan will show the detail progress of project and describes tasks of each team member or team takes and the time to do the work |
| Architecture and Design | **RCC\_AD\_ArchitectureDriver**  **RCC\_AD\_ArchitectureDesign** | The document consists of two files: The Architecture Driver describes the initial requirements for the system and the quality attributes. Architecture Design represents the architectural drawings of the product to demonstrate the quality attributes of the system will develop and meet the needs of customers |
| UseCase | **RCC\_RE\_UseCase** | The document describe the business activity flow of each function by graphics the interaction between actor and system. This document must be validate by customer |
| Software Requirement Specification | **RCC\_RE\_SRS** | The document will describe all feature and user requirement, functional requirement of system. This document must be validate by customer |
| Test Case | **RCC\_TE\_TestCases** | Includes documentation that tests product use cases to find defects or defects in the product |
| Test Report | **RCC\_TE\_TestReport** | The document report status of the project, the number of test cases passed, the number of test cases failed to demonstrate the quality of the product. |
| Guideline | **RCC\_DE\_Guideline** | User guide or how to access and use the product |
| Project Product | **RCC\_DE\_Product** | The product is made by the project team |

1. ***Duration – Timeline***
2. ***Constraints and Risks***
   1. ***Constraints***
      * **Technical:** 
        + Web: System run on popular applications (Firefox, IE, Chrome)
        + Mobile: System run on two OS ( iOS and Android)
        + Database: Integration with the database of the RealEstateBroker project has been develop previously.
      * **Business:**
        + The web and mobile interface must support multiple languages ​​(Vietnamese, English) and the default language is Vietnamese***.***
        + Duration of project must be within 30 weeks
      * **Process:**
        + Team must use Iterative Approach to develop this project
3. ***Project Organization***
   1. ***Role & Responsibility***

|  |  |  |
| --- | --- | --- |
| **Name** | **Role** | **Responsibility** |
| Vinh Nguyen – Nguyễn Sơn Vinh | Project Manager, Developer, Tester, Requirement Engineer | Provide project progress reports periodically for customer and manage the activities of team, breakdown task and assign to team members. Keep the project under control and make the team always ready to working hard. Set time to the team can meet mentor and customer. |
| Manh Truong – Trương Phương Mạnh | Technical Analysist, Developer, Tester | Suggest ideas that help improve the way team work and propose to solve problems on technical work. |
| Quan Ngo – Ngô Nguyễn Minh Quân | Data Analysist, Developer, Tester | Responsible for analyze data, model, data structure and make the data flow of the project align with the functional requirements |
| Hau Vo – Võ Trung Hậu | Mobile Developer, Tester | Research and develop product in Mobile platform, instructing the project team what has worked and solved some of the difficult problems in the mobile platform |
| Lam To – Tô Ngọc Lâm | ASP.NET Developer, Tester | Research and develop product in ASP.NET MVC platform, instructing the project team what has worked and solved some of the difficult problems in the .Net platform |
| An Pham – Phạm Hải Ân | Test Lead | Responsible for record all meeting minute include: team meeting, customer meeting, mentor meeting. Plan for test and manage test plan to improve quality of product. |
| Mr.Dat – Nguyễn Hoàng Đạt | Technical Assistant | Support the project team in the field of system development as well as how to apply technical methods to system development |

* 1. ***Stakeholders ( Internal and External )***
     + ***Internal***
       - Mr.Quoc - Nguyễn Hữu Quốc : Mentor
       - Van Lang University of Information Technology Council
     + ***External***
       - Mr.Dat – Nguyễn Hoàng Đạt : Customer