

**Software Requirements Specification**

**Motel Bokerage System**

Capstone Project Document

|  |  |
| --- | --- |
| **SWR302 – SE1414** | |
| **Group Members** | Nguyen Dinh Thanh Phuoc – HE141388 |
| Tran Hai Long |
| Pham Ich Du |
| Nguyen Tuan Nghia |
|  |
| **Supervisor** | Lecture: Pham Ngoc Ha |

Table of Contents

*Acknowledgement*........................................................................................................................................4 *Definition and Acronyms*....................................................................................................................4   
I. Project Introduction ............................................................................................................................5   
1. Overview ................................................................................................................................................5   
2. Product Background …………..................................................................................................................5   
3. Existing Systems......................................................................................................................................5 *Advantages* ....................................................................................................................................6 *Disadvantages*...............................................................................................................................................6   
4. Business Opportunity..............................................................................................................................8   
5. Software Product Vision........................................................................................................................8   
6. Project Scope & Limitations..................................................................................................................8   
II. Project Management Plan ..................................................................................................................10   
1. Overview ..............................................................................................................................................10   
2. Management Approach ......................................................................................................................14   
3. Master Schedule...................................................................................................................................16   
4. Project Organization ...........................................................................................................................17   
5. Project Communication ......................................................................................................................17   
6. Configuration Management.................................................................................................................18   
III. Software Requirement Specification...................................................................................................19   
1. Overall Description ...........................................................................................................................19   
2. User Requirements..............................................................................................................................20   
2.2 Use-case list..........................................................................................................................................22   
3. Functional Requirements....................................................................................................................59   
3.3 Entity Relationship Diagram................................................................................................................69   
IV. Software Design Description..............................................................................................................70   
1. Overall Description ..........................................................................................................................70   
2. System Architecture Design ..........................................................................................................70   
3. System Detailed Design....................................................................................................................80   
4. Data & Database Design..............................................................................................................128   
V. Software Testing Documentation ................................................................................................128   
1. Overall Description ........................................................................................................................128   
2 Test Plan...........................................................................................................................................133   
3. Test Process Model.........................................................................................................................138   
4. Test Cases..........................................................................................................................................138   
5. Test Result.........................................................................................................................................138   
6. Test Report........................................................................................................................................140   
VI. Release Package & User Guides.......................................................................................................146   
1. Installation Guides.............................................................................................................................146   
3. User Manual ...............................................................................................Error! Bookmark not defined.

Acknowledgement

Foremost, we would like to express our sincere gratitude to our supervisor: Mr. Pham Ngoc Ha for the continuous support of our project development, for his patience, motivation, enthusiasm and immense knowledge. His guidance helped us in all the time of this project. We could not have imagined having a better advisor and mentor for our project. Besides our supervisor, we would like to thank all of our friends who listen to projects and give more suggestions for us, our teammates who have done their best to make to complete the Motel Bokerage System project. In addition, we would also like to thanks the instructors at FPT University for all the classes. The instructors have used the experiences and enthusiasm to give us during this period of four years to get here today. Last but not least, we would like to thank FPT University for giving us this precious opportunity to constantly study and improve ourselves.