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| Student Reference Number: |



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| Module Code: PUSL2024 | Module Name: Software Engineering 2 | |
| Coursework Title: | | |
| Deadline Date:  29th December 2021 | | Member of staff responsible for coursework: |
| Programme: | | |
| Please note that University Academic Regulations are available under Rules and Regulations on the University website [www.plymouth.ac.uk/studenthandbook](http://www.plymouth.ac.uk/studenthandbook). | | |
| Group work: please list all names of all participants formally associated with this work and state whether the work was undertaken alone or as part of a team. Please note you may be required to identify individual responsibility for component parts.  ***We confirm that we have read and understood the Plymouth University regulations relating to Assessment Offences and that we are aware of the possible penalties for any breach of these regulations. We confirm that this is the independent work of the group.***  Signed on behalf of the group: | | |
| Individual assignment: ***I confirm that I have read and understood the Plymouth University regulations relating to Assessment Offences and that I am aware of the possible penalties for any breach of these regulations. I confirm that this is my own independent work.***  Signed : | | |
| Use of translation software: failure to declare that translation software or a similar writing aid has been used will be treated as an assessment offence.  I \*have used/not used translation software.  If used, please state name of software………………………………………………………………… | | |
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\*Please delete as appropriateSci/ps/d:/students/cwkfrontcover/2013/14

**Introduction**

This project is concerned with the analysis, design, Implementing and testing of an Enterprise web application development to provide a user-friendly environment for users and admins. This web application development for leading hotel named XYZ in the business and tourism industry.

**PRELIMINARY ASSESSMENT OF ENTERPRISE WEB APPLICATION**

The XYZ hotel already has own static web application. The requirement is to develop that static web application to dynamic web application with the new features.

Table 01- Functional requirements of Users (for Front-end)

|  |  |
| --- | --- |
| USER | FUNCTIONAL REQUIREMENTS |
| ADMIN | * Log In for Admin * Forgot password for Admin * Log In help for Admin * Log Out functionality * Dashboard for Admin * Registered users for Admin * Reserved rooms for Admin * Reserved halls for Admin * Customer feedbacks for Admin |
| Unregistered Users | * Required to register for reserve * Create an Account * Login after Created an account |
| Registered Users | * Login * Forget password * User dashboard * Change user details * Change password * Fill booking form * See rooms and halls availability dates for reservation * Select rooms or halls * Fill guest details * Select Payment methods * Reserve rooms or halls * Cancel reservations * Log out |

Table 02 – Non-Functional requirements of users (Back end designs)

|  |  |
| --- | --- |
| **Non-functional requirements** | **Objectives** |
| Application Security | The system should be protected in such a manner that one registered user should not be able to access another registered user’s information ensuring privacy of information. |
| Database Security | Users of the system should not have direct access to the database to query it nor view data in it. The only access to the database should be via the application interface. |
| Browser Compatibility | The application should be accessible on Google Chrome, Mozilla Firefox and Internet Explorer browsers on any device. |
| Maintainability | The application should be developed so that one can easily add new products and easily facilitate changes to product information. |
| Consistency |  |
| Usability |  |
| Scalability |  |
| Availability |  |
| Localization |  |
| Interoperability | The system must be as interoperable as possible with third party tools. (LMS and authentication provider.) |
| Modularity | The system should be designed in a modular way in order to facilitate customization. |
| Fault tolerance | The system must be robust enough to manage unexpected exceptions. |
| Portablility | The system should be compatible with different platform and devices. |