Project: Book-a-Room

Web Application Development Project

Student: Jerome Gifford

Course: CIS-355, Winter 2017 Section: 01

This document is confidential, to be viewed only by team members.

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# Introduction

The purpose of Project Book-a-Room is to implement a website, which accomplishes the following: Allow potential hotel customers to view available Rooms and Book a reservation for a given Time. Any reservation booked under the logged in customer can be updated. **This document describes a one-semester project.**

## Project Team

The personnel involved in the project are as follows.

* Jerome Gifford, Lead Programmer. The Lead Programmer will design and code the system in PHP and MySQL code. The Lead Programmer will maintain this document throughout the development process.
* Code Reviewer. Brady Dufresne . This project must have at least one fellow student code reviewer.
* User Tester. None. This project may or may not have user testers.

## Hard Deadline: April 18

This project will be complete by Tuesday, April 18. The Lead Programmer will provide an in-person demonstration or YouTube video demonstration on or before that date.

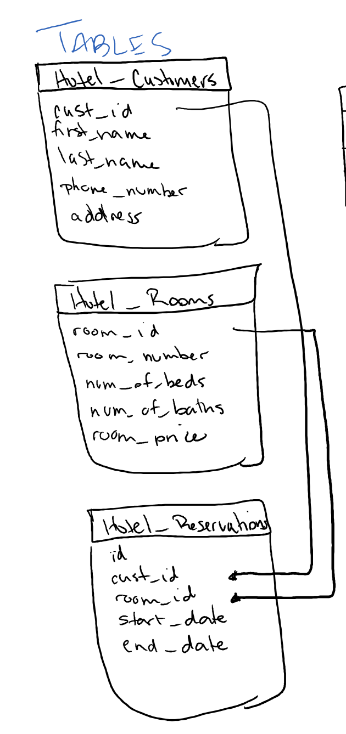
# **1. Project Overview**

The Book-a-Room application allows people to browse for a hotel room during a date range and book the room the want. Any room this is booked can be edited or cancelled by the person that booked the room.

# **2. Technical Specifications and Diagrams**

The system works through three database tables, Hotel\_customers, Hotel\_rooms, and Hotel\_Reservations. Php login is required for a user to book a room. After being logged in a user will see their current reservations as well as be able to see what rooms are available to be booked. PHP is used to create the dynamic experience for each user.

## Entity Relationship Diagram



## Screen Flow Diagram

## 

## Wireframe Diagrams

## 

## Use Case Diagrams

## 

## Source Code on Github

Github repo is private so there is not link to it.

# 3. Programmer System Test Plan and Results

Use a table like this.

| System Function: Condition Tested | Tested By | Date | Results |
| --- | --- | --- | --- |
| Login: Successful | Jerome Gifford | 17-APR-17 | OK |
| Login: Unsuccessful | Jerome Gifford | 17-APR-17 | OK |
| New Registration: Successful | Jerome Gifford | 17-APR-17 | OK |
| New Registration: Unsuccessful | Jerome Gifford | 17-APR-17 | OK |
| Display Main Menu | Jerome Gifford | 17-APR-17 | OK |
| Log Out: Successful | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Choose Customer | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Choose Room | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Choose Start Date | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Choose End Date | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Create | Jerome Gifford | 17-APR-17 | OK |
| Create Reservation: Back | Jerome Gifford | 17-APR-17 | OK |
| Update Customer: Edit First Name | Jerome Gifford | 17-APR-17 | OK |
| Update Customer: Edit Last Name | Jerome Gifford | 17-APR-17 | OK |
| Update Customer: Edit Phone Number | Jerome Gifford | 17-APR-17 | OK |
| Update Customer: Edit Address | Jerome Gifford | 17-APR-17 | OK |
| Update Customer: Update | Jerome Gifford | 17-APR-17 | OK |
| Updated Customer: Back | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Upload File | Jerome Gifford | 17-APR-17 | OK |
| Update Room: View File | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Cannot upload File once one is already set | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Edit Room # | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Edit # of Beds | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Edit Room Price | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Update | Jerome Gifford | 17-APR-17 | OK |
| Update Room: Back | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Cannot Update Name | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Update Room # | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Update Start Date | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Update End Date | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Update | Jerome Gifford | 17-APR-17 | OK |
| Update Reservation: Back | Jerome Gifford | 17-APR-17 | OK |
| Delete Reservation: Are you Sure page pops up | Jerome Gifford | 17-APR-17 | OK |
| Delete Reservation: No | Jerome Gifford | 17-APR-17 | OK |
| Delete Reservation: Yes | Jerome Gifford | 17-APR-17 | OK |
| API: No parameters | Jerome Gifford | 17-APR-17 | OK |
| API: Res\_ID Parameter | Jerome Gifford | 17-APR-17 | OK |

# 4. User System Test Plan and Results

Enumerate what was tested and what was not tested.

Use a table like this.

| System Function: Condition Tested | Tested By | Date | Results |
| --- | --- | --- | --- |
| Login: Successful | Jerome Gifford | 18-APR-17 | OK |
| Login: Unsuccessful | Jerome Gifford | 18-APR-17 | OK |
| New Registration: Successful | Jerome Gifford | 18-APR-17 | OK |
| New Registration: Unsuccessful | Jerome Gifford | 18-APR-17 | OK |
| Display Main Menu | Jerome Gifford | 18-APR-17 | OK |
| Log Out: Successful | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Choose Customer | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Choose Room | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Choose Start Date | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Choose End Date | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Create | Jerome Gifford | 18-APR-17 | OK |
| Create Reservation: Back | Jerome Gifford | 18-APR-17 | OK |
| Update Customer: Edit First Name | Jerome Gifford | 18-APR-17 | OK |
| Update Customer: Edit Last Name | Jerome Gifford | 18-APR-17 | OK |
| Update Customer: Edit Phone Number | Jerome Gifford | 18-APR-17 | OK |
| Update Customer: Edit Address | Jerome Gifford | 18-APR-17 | OK |
| Update Customer: Update | Jerome Gifford | 18-APR-17 | OK |
| Updated Customer: Back | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Upload File | Jerome Gifford | 18-APR-17 | OK |
| Update Room: View File | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Cannot upload File once one is already set | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Edit Room # | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Edit # of Beds | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Edit Room Price | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Update | Jerome Gifford | 18-APR-17 | OK |
| Update Room: Back | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Cannot Update Name | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Update Room # | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Update Start Date | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Update End Date | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Update | Jerome Gifford | 18-APR-17 | OK |
| Update Reservation: Back | Jerome Gifford | 18-APR-17 | OK |
| Delete Reservation: Are you Sure page pops up | Jerome Gifford | 18-APR-17 | OK |
| Delete Reservation: No | Jerome Gifford | 18-APR-17 | OK |
| Delete Reservation: Yes | Jerome Gifford | 18-APR-17 | OK |
| API: No parameters | Jerome Gifford | 18-APR-17 | OK |
| API: Res\_ID Parameter | Jerome Gifford | 18-APR-17 | OK |

# 5. Project Plan and Status

The following table shows the activities and deliverables of the project.

| Task | Performed By | Status | Date |
| --- | --- | --- | --- |
| Determine scope | Jerome Gifford | Complete | 5-APR-17 |
| Write Project Plan | Jerome Gifford | Complete | 5-APR-17 |
| Establish web hosting  *Files found* [here](http://csis.svsu.edu/~jkgiffor/cis355/projectWithLogin/) | Jerome Gifford | Complete | 5-APR-17 |
| Establish private github repository  *Private repo. Necessary People added as Collaborators* | Jerome Gifford | Complete | 5-APR-17 |
| Write sections 1 and 2 of this document | Jerome Gifford | Complete | 5-APR-17 |
| Design data tables | Jerome Gifford | Complete | 5-APR-17 |
| Implement data tables in MySQL | Jerome Gifford | Complete | 5-APR-17 |
| Design screen flow | Jerome Gifford | Complete | 5-APR-17 |
| Design screens (wireframes) | Jerome Gifford | Complete | 5-APR-17 |
| Implement screens/flows in PHP: Table1 (CRUD\*) | Jerome Gifford | Complete | 5-APR-17 |
| Code review #1 | Brady Dufrense | Complete | 5-APR-17 |
| Implement screens/flows in PHP: Table2 (CRUD\*) | Jerome Gifford | Complete | 5-APR-17 |
| Implement screens/flows in PHP: Table3 (CRUD\*) | Jerome Gifford | Complete | 5-APR-17 |
| Implement file upload/download on Table1 | Jerome Gifford | Complete | 17-APR-17 |
| Implement login/registration | Jerome Gifford | Complete | 5-APR-17 |
| Implement dropdown list boxes on Table3 | Jerome Gifford | Complete | 5-APR-17 |
| Code review #2 | Brady Dufrense | Complete | 11-APR-17 |
| Make all PHP code object oriented | Jerome Gifford | NOT REQUIRED |  |
| Make all database calls using AJAX | Jerome Gifford | NOT REQUIRED |  |
| Implement API that returns JSON object | Jerome Gifford | Complete | 17-APR-17 |
| Prepare system test plan | Jerome Gifford | Complete | 17-APR-17 |
| Execute system test plan | Jerome Gifford | Complete | 18-APR-17 |
| Code/test review #3 | Brady Dufrense | Complete | 17-APR-17 |
| Prepare user test plan | Jerome Gifford | Complete | 17-APR-17 |
| Execute user test plan |  | Complete | 18-APR-17 |
| Implement CodeIgniter mini-version of system | Jerome Gifford | NOT REQUIRED |  |
| **Present completed system** | Jerome Gifford | Complete | 19-APR-17 |
| Review/report status using this document | Jerome Gifford | Complete | 19-APR-17 |

\* CRUD stands for create, read, update, delete

# 6. Document Update Log

The following table logs changes made to this document.

| Version (yyyymmdd#) | Editor | Description of change |
| --- | --- | --- |
| 20170222a | George | Prepared Template |
| 20170405a | Jerome Gifford | Updated Document with Initial plan & Status |
| 20170417a | Jerome Gifford | Updated Document with Test Plan and Status Updates |
| 20170418a | Jerome Gifford | Finalized Document |
|  |  |  |