BIT608 Assessment 3, Sky Reekie

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## 

## Useful Information:

* [customer@example.com](mailto:customer@example.com)
* [admin@example.com](mailto:admin@example.com)
* Test.Password

## Test Plan (Part 1, Task 1)

**Current Bookings**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Item:** | **Test Actions:** | **Test Data:** | **Expected Results:** | **Actual Results:** | **Comments:** |
| Check new bookings are being displayed in the bookings table. | Add a new booking through create a booking a check that it is displayed in the table correctly | Room: Helen, S, 2  Name: Shayla, Brine  Booking Dates:  15/10/2024 –  20/10/2024  Phone: 1001001000 | After a new booking is created it will be displayed in the current booking table. | New booking is displayed in the current bookings table. | **PASS**  No further action required. |
| Check that links on the page are functional. | Click on the following links and check they lead to the correct page.  (Create a Booking, Return to Dashboard, View, Edit, Manage Reviews, Delete) | (Create a Booking, Return to Dashboard, View, Edit, Manage Reviews, Delete) | (Create a Booking, Return to Dashboard, View, Edit, Manage Reviews, Delete)  Take you to the corresponding page. | (Create a Booking, Return to Dashboard, View, Edit, Manage Reviews, Delete)  Take you to the corresponding page. | **PASS**  No Further action required. |

**Booking details view**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Item:** | **Test Actions:** | **Test Data:** | **Expected Results:** | **Actual Results:** | **Comments:** |
| Check booking information is being displayed in the booking details view correctly. | Check booking details view for newly added bookings. | Room: Helen, S, 2  Name: Shayla, Brine  Booking Dates:  15/10/2024 –  20/10/2024  Phone: 1001001000 | Data is being displayed correctly for the newly added booking. | Data is being displayed correctly for the newly added booking. | **PASS**  No Further action is required. |

**Delete a booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Item:** | **Test Actions:** | **Test Data:** | **Expected Results:** | **Actual Results:** | **Comments:** |
| Prompt before deletion | Delete booking:  Room: Helen, S, 2  Name: Shayla, Brine  If Prompt is successful return to dashboard. | Room: Helen, S, 2  Name: Shayla, Brine  Booking Dates:  15/10/2024  20/10/2024  Phone: 1001001000 | A prompt is displayed asking to confirm deletion. | A prompt is displayed asking to confirm deletion. | **PASS**  No Further action required. |
| Check that the correct data is being deleted when deleting a booking. | Delete booking:  Room: Helen, S, 2  Name: Shayla, Brine | Room: Helen, S, 2  Name: Shayla, Brine  Booking Dates:  15/10/2024  20/10/2024  Phone: 1001001000 | Booking under customer name: Shayla Brine has been deleted from the database and view bookings table | Booking under customer name: Shayla Brine has been deleted from the database and view bookings table | **PASS**  No Further action required. |

**Edit a booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Item:** | **Test Actions:** | **Test Data:** | **Expected Results:** | **Actual Results:** | **Comments:** |
| Edit a booking is updated correctly. | Edit booking dates and check the corresponding booking has been edited in the booking view page. | Room: Cole, S, 1  Name: Alice, Neats  Booking Dates:  10/10/2024  12/10/2024  Phone: 1001001000  Updates Dates:  10/10/2024  13/10/2024 | The newly updates dates are being shown in the booking views page  for Alice, Neats. | The newly updates dates are being shown in the booking views page for Alice, Neats. | **PASS**  No Further action required. |
| When entering letters into the phone number field a prompt to enter 10 digit number is displayed. | Enter text into the phone number field | (Some Text) | A prompt is displayed asking the user to enter a 10-digit number. | A prompt is displayed asking the user to enter a 10-digit number. | **PASS**  No Further action is required. |

**Make a booking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Item:** | **Test Actions:** | **Test Data:** | **Expected Results:** | **Actual Results:** | **Comments:** |
| New booking is being added to the database and booking view page. | Create a booking a check new booking is added to PHPmyadmin | Room: Kellie, S, 5  Name: Sarah, Burr  Booking Dates:  22/10/2024  28/10/2024  Phone: 1001001000 | The new booking is being displayed in the php myadmin. | The new booking is being displayed in the php myadmin. | **PASS**  No Further action is required. |
| Check for error prompts when selecting incorrect date format. | Select a check out date that is before the check in date. | Check in:  13/10/2024  Checkout:  08/10/2024 | A prompt is displayed asking the user to enter a checkout date that is past the check-in date. | No prompt was given and the incorrect booking was added successfully | **FAIL**  Review the prompt for incorrect date format. |
| Check rooms are displayed correctly when searching for available rooms. | Search for available rooms to check in between  2024-1010,  2024-10-13 | Cole,  2024-10-10, 2024-10-13 | Room Cole is not displayed in the table. | Room Cole is not displayed in the table. | **PASS**  No Further action is required. |
| When entering letters into the phone number field a prompt to enter 10 digit number is displayed. | Enter text into the phone number field | (Some Text) | A prompt is displayed asking the user to enter a 10-digit number. | A prompt is displayed asking the user to enter a 10-digit number. | **PASS**  No Further action is required. |

# (Needs Review)

## Part 2 Task 1: Publishing the web application

**Checklist for before publishing the website:**

Load Testing

* Perform a page speed test. Using GitHub pages I will temporarily host my website to perform some tests such as using Google page speed insight and chrome dev tools network tool.

Accessibility Testing

* Using GitHub pages I can check the application is accessible to users with disabilities by following the Web Content Accessibility Guidelines (WCAG) and make sure my website passes Accessibility testing.

Test Functionality Across Browsers

* I will be able to test my application across different browsers to make sure It is compatible before launch. (Chrome, Firefox, Safari, Edge).

Validate Code

* Use validators for HTML, CSS, and JavaScript to catch syntax errors and ensure compliance with web standards.

Check Responsive Design

* Test the web application on different devices (desktop, tablet, mobile) to check that the layout is adaptable across screen sizes.

**Checklist for after publishing the website:**

Update Documentation

* Update any sitemaps, wireframes, user guides and other application documents.

Check for Broken Links

* Use a tool to scan for broken links and ensure all internal and external links are functioning.

Monitor Analytics

* Set up web analytics (e.g., Google Analytics) to track user behaviour, traffic sources, and engagement.

Review Error Logs

* Check server and application error logs for issues that may arise post-launch.

Implement Backups

* Set up automated backups for your web application’s data and files.

# (Needs Review)

## Part 3. Web hosting options

I will be comparing web hosting options from two different companies and discuss my findings below.

|  |  |  |
| --- | --- | --- |
| Name of website hosting business package: | **GoogieHost** | **InfinityFree** |
| Uptime: | 99.9% | 99.9% |
| Customer Support: | 24hr | Not Disclosed on the plan. |
| Features: | * **NVMe SSD** * **Business Emails** * **LiteSpeed** * **Cloudflare** * **Control Panel** * **1-Click Installer** * **Malware Protection** * **SSL Certificate** * **SitePad Website Builder** * **No Forced Ads** * **Free Sub Domain** * **1 MySQL Database** | * **5 GB Disk Space** * **Unlimited Bandwidth** * **PHP 8.2** * **MySQL 8.0 / MariaDB 10.6** * **Free Subdomain Names** * **Bring Your Own Domain** * **400 MySQL Databases** * **Free DNS Service** * **Free SSL Certificates** * **Full .htaccess Support** |
| Space Limits: | MB SSD Storage | 5GB storage |
| Traffic Limits: | 100GB | Unlimited |
| Change Penalties: | Free | Free |
| Cost: | Free (Not a trial) | Free (Not a trial) |

After comparing web hosting options from GoogieHost and InfinityFree, I've decided to launch my web application with InfinityFree. Although GoogieHost offers business email and additional security features, InfinityFree provides significantly more storage (5GB) and allows for unlimited traffic. InfinityFree supports the latest PHP and MySQL versions, ensuring compatibility with modern applications, making it the more suitable choice.

# References

[The best free web hosting that is actually free. | TechRadar](https://www.techradar.com/web-hosting/best-free-web-hosting)