**Final Project Submission**

By Eric Rudat, Alex Doran, Will Vardell

Project Name: Rocky Mountain Ski Genie

Methodologies used: Waterfall, Paired Programming, and Peer Code Review

Project Tracker: <https://trello.com/b/76d3ov4E/rocky-mountain-ski-genie>

VCS Repository (Github): <https://github.com/AlexLDoran/RockyMountainSkiGenie>

Database Used: [www.openweathermap.com](http://www.openweathermap.com)

E-R Diagram:

Deployment environment: Simple Python Server

Project Proposal vs. Actual Project:

Test Cases:

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| **Project Name: Rocky Mountain Ski Genie** | | | | | | | |
| **Test Case #1** | | | | | | | |
| **Test Case ID:** WindowSize | | | | **Test Designed By:** Will Vardell | | | |
| **Test Priority(Low,Med,High):** Low | | | | **Test Designed Date:** 12/5 | | | |
| **Module Name:** Window Resizing | | | | **Test Executed By:** 12/8 | | | |
| **Test Title: Verify** Resizing doesn’t break website format | | | | **Test Execution Date:** 12/8 | | | |
| **Description:** Try odd window sizes and observe the format of the page | | | |  | | | |
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| **Pre-conditions:** Site must be up and running on localhost | | | | | | | |
| **Dependencies:** | | | | | | | |
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| **Step** | **Test Steps** | **Test Data** | **Expected** | | **Actual** | **Status** | **Notes** |
| **1** | Navigate to webpage |  |  | |  |  |  |
| **2** | Resize window |  | Options reformat to fit in screen nicely | | Same as Expected | Pass |  |
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| **Post-Conditions:** All resizing works, if window is made too small options stack vertically | | | | | | | |

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| **Project Name: Rocky Mountain Ski Genie** | | | | | | | |
| **Test Case #2** | | | | | | | |
| **Test Case ID:** ActiveLinks | | | | **Test Designed By:** Alex Doran | | | |
| **Test Priority(Low,Med,High):** High | | | | **Test Designed Date:** 12/5 | | | |
| **Module Name:** LinkTest | | | | **Test Executed By:** 12/8 | | | |
| **Test Title:** LiveLinks | | | | **Test Execution Date:** 12/8 | | | |
| **Description:** Make sure all links direct to a page and are active | | | |  | | | |
|  | | | |  | | | |
| **Pre-conditions:** All buttons on the page are linked to another page | | | | | | | |
| **Dependencies:** | | | | | | | |
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| **Step** | **Test Steps** | **Test Data** | **Expected** | | **Actual** | **Status** | **Notes** |
| **1** | Open up the RMSG homepage |  |  | |  |  |  |
| **2** | Select link and make sure it takes you to a mountain |  | Taken to mountain page | | Same as Expected | Pass |  |
| **3** | Select the “Home” buton and make sure it sends you home |  | Taken to home page | | Same as Expected | Pass |  |
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| **Post-Conditions:** All links work successfully | | | | | | | |

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| **Test Case #3** | | | | | | | |
| **Test Case ID:** Weather | | | | **Test Designed By:** Eric Rudat | | | |
| **Test Priority(Low,Med,High):** High | | | | **Test Designed Date:** 12/5 | | | |
| **Module Name:** WeatherAPI | | | | **Test Executed By:** 12/8 | | | |
| **Test Title:** WeatherTest | | | | **Test Execution Date:** 12/8 | | | |
| **Description:** Make sure correct weather is displayed | | | |  | | | |
|  | | | |  | | | |
| **Pre-conditions:** Have Openweathermap API linked to RMSG page | | | | | | | |
| **Dependencies:** | | | | | | | |
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| **Step** | **Test Steps** | **Test Data** | **Expected** | | **Actual** | **Status** | **Notes** |
| **1** | Make sure you are running on localhost |  |  | |  |  |  |
| **2** | Navigate to preferred mountain page |  |  | |  |  |  |
| **3** | Check displayed weather into with weather.com |  | Matching weather information | | They matched! | Pass |  |
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| **Post-Conditions:** Weather API is working and accurate | | | | | | | |

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| **Test Case #4** | | | | | | | |
| **Test Case ID:** Wax | | | | **Test Designed By:** Will Vardell | | | |
| **Test Priority(Low,Med,High):** High | | | | **Test Designed Date:** 12/5 | | | |
| **Module Name:** WaxAlgorithm | | | | **Test Executed By:** 12/8 | | | |
| **Test Title:** SelectWax | | | | **Test Execution Date:** 12/8 | | | |
| **Description:** Make sure each weather type displays the correct recommended wax | | | |  | | | |
|  | | | |  | | | |
| **Pre-conditions:** Weather API must be set up and wax algorithm running | | | | | | | |
| **Dependencies:** An accurate API and algorithm | | | | | | | |
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| **Step** | **Test Steps** | **Test Data** | **Expected** | | **Actual** | **Status** | **Notes** |
| **1** | Go to preferred mountain and view recommended wax |  |  | |  |  |  |
| **2** | Make sure wax matches corresponding weather |  | Weather matches the wax chosen | |  |  |  |
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| **Post-Conditions:** | | | | | | | |

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| **Test Case #5** | | | | | | | |
| **Test Case ID:** LinkMatch | | | | **Test Designed By:** Alex Doran | | | |
| **Test Priority(Low,Med,High):** High | | | | **Test Designed Date:** 12/5 | | | |
| **Module Name:** Links | | | | **Test Executed By:** 12/8 | | | |
| **Test Title:** LinkMatch | | | | **Test Execution Date:** 12/8 | | | |
| **Description:** Make sure the links match the pages they represent | | | |  | | | |
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| **Pre-conditions:** | | | | | | | |
| **Dependencies:** | | | | | | | |
|  | | | | | | | |
| **Step** | **Test Steps** | **Test Data** | **Expected** | | **Actual** | **Status** | **Notes** |
| **1** | Select button for a specific ski resort |  |  | |  |  |  |
| **2** | Make sure you are directed to the right page |  |  | |  |  |  |
| **3** | Go “Home” and try the next link |  | Linked page matches name | | Same as expected | Pass |  |
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| **Post-Conditions:** Links are all set up and directed correctly | | | | | | | |