Logo, company name

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**Logo

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## 1 TEST PLAN IDENTIFIER

This test plan will identify Sky Scanner’s features and categorize each features priority.

## 2 INTRODUCTIONS

Sky Scanner introduces to their customer cheapest flight tickets and hotels to book with a detailed description to what to expect. Moreover, it offers a service to rent a car that is closest to you. The test plan will be ensuring that the functionality of the website is offering their service in wide range of possibility either positive or negative. This document will show the features and strategic planning in responding to unexpected matters are viewed to user. To ensure the best process, we will be testing each feature and view the issues clearly.

## 3 SOFTWARE RISK ISSUES

We will test Skyscanner with selenium IDE. The software risks issues are:

* Insufficient resources.
* Internet connection failure.
* Not enough budget to test all features.
* Unidentifiable error.
* Lack of testing tools.
* Tight deadlines.
* Constant change of requirements

## 4 FEATURES TO BE TESTED

|  |  |  |
| --- | --- | --- |
| Features | Priority | Description |
| Login / Sign up | 3 | Login or signup to the website with the right information |
| Change currency | 3 | Change currency to the country that he or she will pay with. |
| Change language | 3 | Change language to an understandable language of the user. |
| Search flights | 2 | The user can search for a flight by writing the current city or airport, the destination, the departure date, and the return date. |
| Select airline | 3 | Select a specific airline to travel with. |
| Select flight deal | 3 | Select a flight deal that matches the requirements. |
| Filter by stops | 1 | Filter by stops either by direct flight, 1 stop, or multiple stops. |
| Filter by departure times | 1 | Filter by outbound flights |
| Filter by journey duration | 1 | Filter by a certain journey duration by scrolling the bar right for less duration to left more duration/ |
| Filter by airlines | 1 | Filter by a specific airline with a start range price displayed under. |
| Filter by greener flights | 1 | Shows the flights with lower CO2 emissions |
| Sort by best | 1 | Sorts according to the flights that contain the best choices |
| Sort by price per adult | 1 | Sorts by the cheapest flights first |
| Sort by total journey time | 1 | Sorts by the fastest journey first |
| Sorts by outbound: Departure time | 1 | Sorts by the early flights to the late flights |
| Get Price | 3 | To see the price of the flights, the user must click get price to view the price range of the ticket. |
| Get price alert | 1 | To get notified by the new prices, the user can click on get price alert and he or she will be notified via email. |
| Choose hotels category | 3 | The user chooses hotels category to display all hotels deals everywhere. |
| Book a hotel | 3 | The user can book a hotel after seeing the prices that are available suited to their requirement. |
| Search by hotel name | 2 | The user can search for a hotel by the name, place or city, and rooms needed. |
| View site | 3 | View site shows the website that the offer came from. |
| Filter by budget | 1 | The user can filter by the preferred budget he/she needs. |
| Filter by ratings | 1 | The user can filter by hotel’s rating. |
| Filter by accommodation type | 1 | The user can filter by the preferred accommodation type ex: apartment, guest home, holiday rentals, hotel, etc. |
| Filter by meal plan | 1 | The user can filter by meal plan either breakfast included, or meals not included. |
| Filter by guest rating | 1 | The user can filter by the guest ratings and reviews. |
| Filter by amenities | 1 | The user can filter by the preferred service that should be included in their accommodation. |
| Filter by neighborhoods | 1 | The user can filter by the nearest known neighborhood. |
| Filter by deals | 1 | The user can filter by displaying the offers that has discounts. |
| Filter by hotel chain | 1 | The user can filter by a known hotel chain. |
| View details | 3 | View details of some of the hotels from the Skyscanner website. |
| Sort by best | 2 | Sorts by the hotels that have the combination of customer review, price, and location. |
| Sort by top reviews | 1 | Sorts by the top reviews based on the original site offer. |
| Sort by lowest price | 1 | Sort by the lowest price that the hotel can offer to a certain site. |
| Sort by most stars | 1 | Sort by the most stars based on the Skyscanner website rating. |
| Sort by nearest first | 1 | Sort by a specific location that should be near the hotel with a distance range. |
| Search this area | 1 | The user can specify a location on the map and search for offers that are in this area. |
| Search by location | 2 | To find a car to rent, the user can search by his/her current location to get the closest car available to pick. |
| Choose flights category | 3 | The user chooses flights category to display all flights deals everywhere. |
| Search by flights | 3 | Search for flights by airport name or city |
| Choose ticket type | 2 | The user can choose a different type of tickets one way, return, or multi-city. |
| Choose car hire category | 3 | The user chooses car hire category to display all car rental that are ready to pickup. |
| Search by pickup location | 3 | Search by the location that is nearest to you or a specified location to pick up the car. |
| Filter by seats | 1 | Filter by number of seats either 1-4, 5-6, or 7+. |
| Filter by car type | 1 | Filter by car type either small, medium, large, luxury, people carrier, or SUV. |
| Filter by pickup location | 1 | Filter by either pickup the car from airport terminal, meet and greet, or free shuttle bus. |
| Filter by greener choices | 1 | Filter by greener choices either electric or hybrid. |
| Filter by features | 1 | Filter by either Aircon or free breakdown assistance feature. |
| Filter by transmission | 1 | Filter by either automatic or manual car is needed. |
| Filter by supplier | 1 | Filter by different hire companies. |
| Select car | 3 | To finalize the renting of the car, the user must click select car. |
| View deals | 3 | To see the deals for the car rental, the user must click view deals to see the detailed information about the car. |
| Hide deals | 1 | Hide the deals that are not interesting to the user. |

## 5 FEATURES NOT TO BE TESTED

|  |  |
| --- | --- |
| Features | Description |
| Book a flight | This feature will not be tested because it will require an amount of money that are above the budget. |
| Book a hotel | This feature will not be tested because it will require an amount of money that are above the budget. |
| Rent a car | This feature will not be tested because it will require an amount of money that are above the budget. |
| Cancel flight | This feature will not be tested because it will require to book a flight to test that feature. |
| Cancel reservation | This feature will not be tested because it will require to book a hotel to test that feature. |
| Share via social media | This feature cannot be tested because it will require personal contacts that cannot be viewed. |

## 6 ITEM PASS/FAIL CRITERIA

To ensure that the criterion of testing is fulfilled correctly we will be categorizing the item criteria as follows:

1. If a test case takes more than 5 mins to proceed to the result, this will be a failed case.
2. If a test case showed a time out error multiple times, this will be considered a passed case.
3. If 2 out 5 test cases are failed, then it will be considered a failed case.
4. If the expected result matches the actual result, this will be considered as a passed test case.
5. If the expected result does not match the actual result, this will be considered as a failed test case.

## 7 SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS

Our goal is to test every aspect of the website properly to gain a conclusion whether the features are appropriate and understandable to the user or not. In some circumstances the test must be paused, so here is the criteria to when will the pause be necessary:

* If the website under maintenance and is unavailable to test, we will be required to pause the testing.
* If a feature is taking much more resources than what was planned, we will require to stop the testing for this feature.
* If the testing takes more time than what is planned to, the test must be paused to rearrange the primary requirements.
* If there is a conflict in understanding the testing requirements, then the testing must be paused to introduce the requirements again.
* If the testing tools have defects that are unsolvable, we will be required to pause the testing until a suitable testing tool is found.

## 8 TEST DELIVERABLES

The following will be the plan for what to be delivered:

* Test plan (document)
* Test case scenario
* Test design
* Unit test plan
* Acceptance test plan
* Test procedure
* Test report

## 9 SCHEDULE

## 

|  |  |  |
| --- | --- | --- |
| Test Deliverables | Duration | Time |
| Test plan | Two weeks | Friday 10th of march, 2023 |
| Test case scenario | Two weeks | Friday 10th of march,2023 |
| Test design | Two weeks | Friday 24th of march,2023 |
| Unit test plan | One week | Friday 7th of April, 2023 |
| Acceptance test plan | One week | Friday 21st of April, 2023 |
| Test procedure | Three weeks | Friday 12th of May, 2023 |
| Test report | Two weeks | Friday 2nd of June,2023 |

## 10 PLANNING RISKS AND CONTINGENCIES

* Insufficient resources: we will resolve it by searching to find the perfect resources that matches the features requirements.
* Internet connection failure: we will have backup cellular data that is enough to continue testing.
* Not enough budget to test all features: we will get resources that is suitable to the budget and compose a budget for each feature’s test.
* Unidentifiable error: we will try to conduct different test cases to understand the error and fix it.
* Lack of testing tools: we will manage to get enough tools that will help us test each feature.
* Tight deadlines: we will break the project into chunks and set priorities to finish it first and if needed added.
* Constant change of requirements: we will clarify the consequences of any sudden changes and document the requirements in detailed with any alternative change that could happen.