

# White Box Testing Document – MP12



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Submitted By:-

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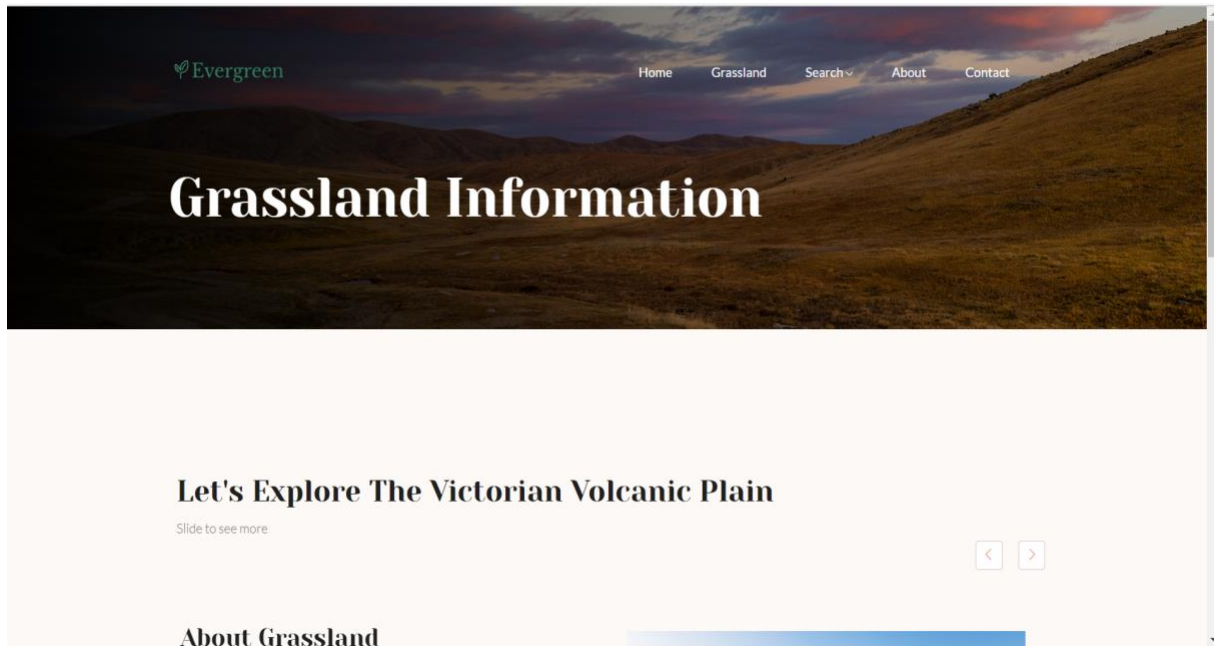
Yu Wang

## Task 1: Test Cases

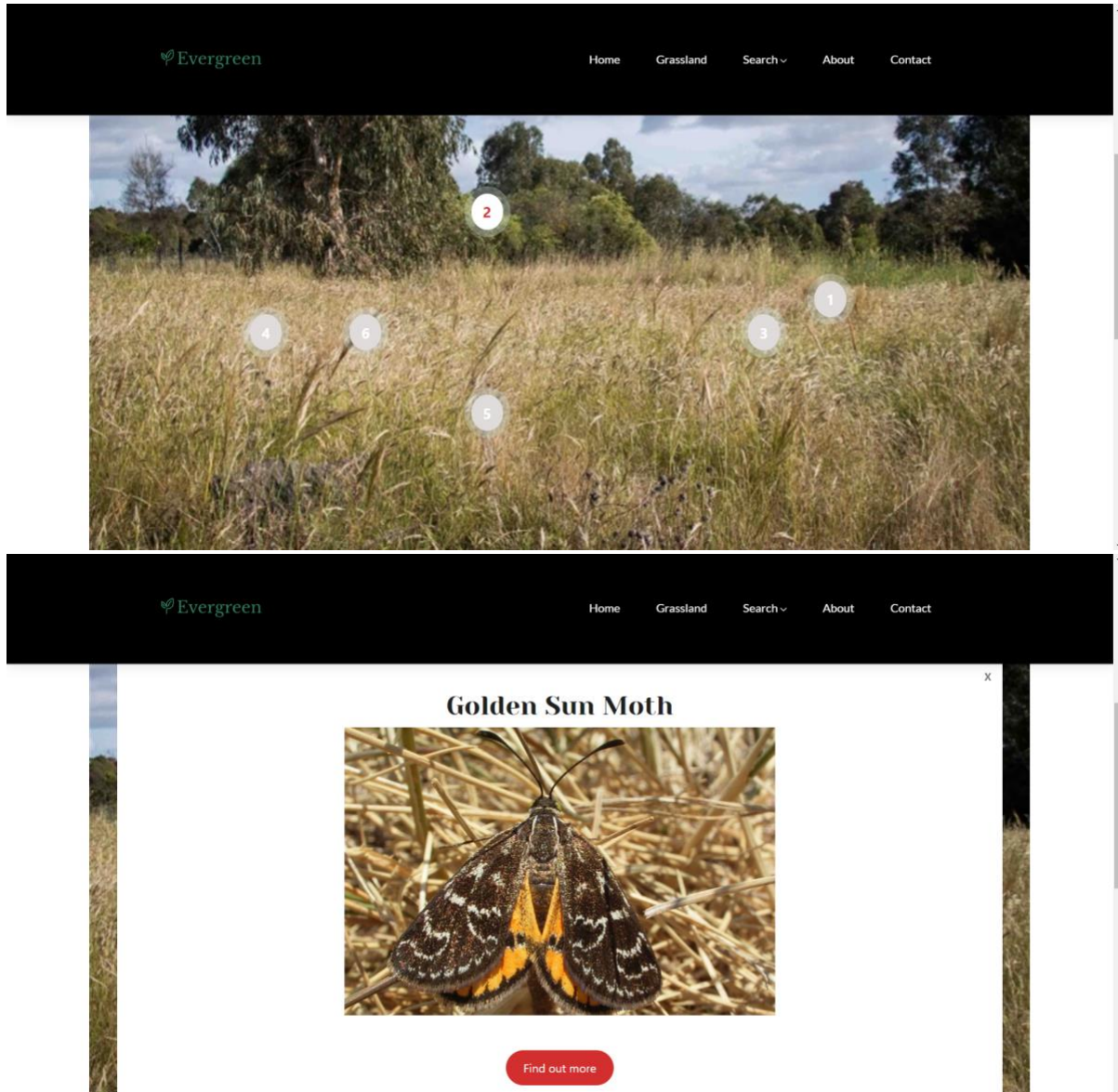
Test Case ID	Reason for Test	Description/ Input	Expected Output	Actual output	Test Result
TC-1	To verify that tabs in the navigation bar link to the correct page.	Click "Grassland" in the navigation bar	Display: It redirects the user to the Grassland Information page.	The Grassland Information page	Passed
TC-2	To verify that the hotspots are showing the results when clicked.	Click a hotspot in Wetland page	Display: The image of the species present in a Wetland image.	When the hotspots on the image are clicked, they open a pop up of the species present.	Passed
TC-3	To verify whether the search function provides the results with a string value.	"sun"	Display: Records/rows with the name column that contains the matching value	Display: matching record(s) .	Passed
TC-4	To verify whether the search function provides the correct row(s) with a null value.	" "	Display: All records/rows in the data table	Display: Display all records	Passed
TC-5	To verify whether the search function provides the correct row(s) with special characters	"@,#,\$,%,^,& "	Display: No records/rows will be displayed	Display: Nothing	Passed
TC-6	To verify the sliding function on the grass-land info page is working.	Click a ">" in the slider	Display: Drag function shows both the past and current images of grasslands.	Display: Showing the movement, and also the content corresponding to the comparison.	Passed

## Examples:

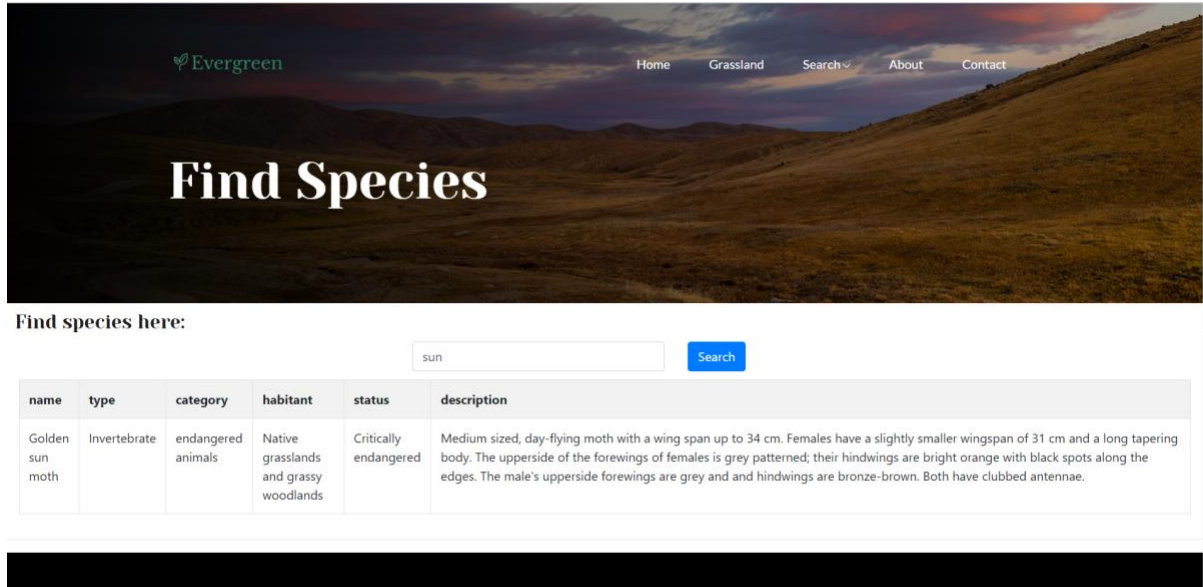
**TC01:** To verify that tabs in the navigation bar link to the correct page.



**TC02:** To verify that the hotspots are showing the results when clicked.



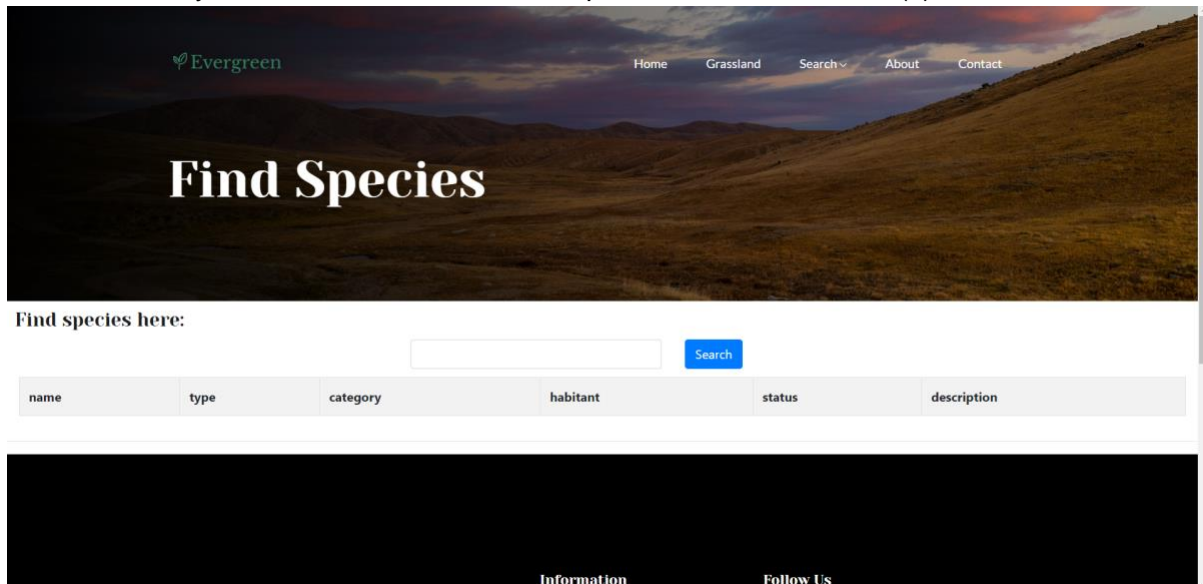
**TC03:** To verify whether the search function provides the correct row(s) with a string value.



The screenshot shows the 'Find Species' page of the Evergreen website. The header includes the Evergreen logo and navigation links: Home, Grassland, Search, About, and Contact. The main heading is 'Find Species'. Below it, the text 'Find species here:' is followed by a search input field containing the text 'sun' and a blue 'Search' button. A table displays the search results for 'sun'.

name	type	category	habitant	status	description
Golden sun moth	Invertebrate	endangered animals	Native grasslands and grassy woodlands	Critically endangered	Medium sized, day-flying moth with a wing span up to 34 cm. Females have a slightly smaller wingspan of 31 cm and a long tapering body. The upperside of the forewings of females is grey patterned; their hindwings are bright orange with black spots along the edges. The male's upperside forewings are grey and and hindwings are bronze-brown. Both have clubbed antennae.

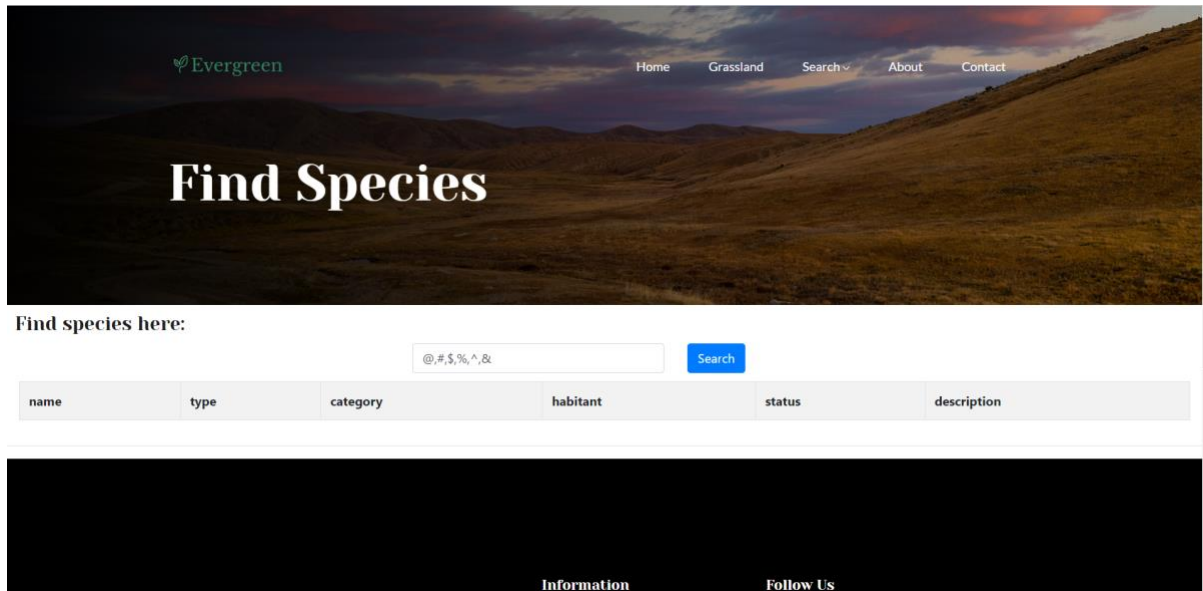
**TC04:** To verify whether the search function provides the correct row(s) with a null value.



The screenshot shows the 'Find Species' page of the Evergreen website. The header includes the Evergreen logo and navigation links: Home, Grassland, Search, About, and Contact. The main heading is 'Find Species'. Below it, the text 'Find species here:' is followed by an empty search input field and a blue 'Search' button. A table displays the search results for a null value.

name	type	category	habitant	status	description
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**TC05:** To verify whether the search function provides the correct row(s) with special characters.



Find species here:


@, #, \$, %, ^, &

Search

name	type	category	habitant	status	description
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**TC06:** To verify the sliding function on the grassland info page is working.




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### About Grassland

Grassland is a vegetation area dominated by almost continuously covered grass, and it is also one of the most widely distributed main vegetation types in the world. Usually natural grassland can be considered as the middle part of the environmental gradient, with forest at one end and desert at the other end. The grassland plays an important balancing role for the earth's environment.



## Let's Explore The Victorian Volcanic Plain

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### History of Victorian Grassland

When Europeans first arrived in western Victoria, much of the extensive undulating plains they saw were covered with native grasslands. However, starting from the 1830s, the local grasslands were quickly occupied because grazing there did not require much effort. Soon after, large areas of native grassland in Victoria were completely replaced by introduced pastures, crops and weeds. For people living in Victoria, the Victoria Volcanic Plain, located from the west of Melbourne to the border of South Australia, is the largest natural grassland nowadays, but compared to the pre-European colonial era, it has only 5% of the area left.

