

1. Implemented 2/3rd of the functional test that you have specified in your document.

a. We have 6 tests

i. Functional testing

1. Only requires that everything loads up and we can click links and that search works

Item to Test	Test Description	Responsibility	Result
WEBPAGE-01	Ensure the "Home" page loads with proper images and framework	RecyclePedia Team	Pass
WEBPAGE-02	Ensure the "About" page loads with proper images and framework	RecyclePedia Team	Pass
WEBPAGE-03	Ensure the "Why Recycle" page loads with proper images and framework	RecyclePedia Team	Pass
WEBPAGE-04	Ensure the "Help" page for material loads with proper images and framework	RecyclePedia Team	Pass
DETAILS-01	The user should be able to type zip codes into the search box	RecyclePedia Team	Pass
NAV-01,NAV-02,NAV-03	The user should be able to click on the links in the navigation bar	RecyclePedia Team	Pass
SEARCH-01	Verify the inputted zip code is one supported by the database	RecyclePedia Team	Pass
SEARCH-02	Verify that the search function will not work without any text in the box	RecyclePedia Team	-Bug-
TEXT-01	Verify that the font of the text displayed on the webpage is as per specified.	RecyclePedia Team	Pass
DATABASE-01	Verify that information loaded from the database is as per specified by the zip code.	RecyclePedia Team	Pass

ii. Performance testing

1. We need to say how long each took to load.

Item to Test	Test Description	Responsibility	Result	Time
WEBPAGE-01	Ensure the "Home" page loads in no greater than 5 seconds.	RecyclePedia Team	Pass	< 1 sec
WEBPAGE-02	Ensure the "About" page loads in no greater than 5 seconds.	RecyclePedia Team	Pass	< 1 sec
WEBPAGE-03	Ensure the "Why Recycle" page loads in no greater than 5 seconds.	RecyclePedia Team	Pass	< 1 sec
WEBPAGE-04	Ensure the "Help" page for material loads in no greater than 10 seconds.	RecyclePedia Team	N/A	Not implemented
SEARCH-01	Ensure search happens in no greater than 15 seconds.	RecyclePedia Team	Pass	< 2 sec
IMAGE-01	Ensure all images load in no greater than 5 seconds.	RecyclePedia Team	Pass	< 1 sec
MAP-01	Ensure the map loads in no greater than 5 seconds.	RecyclePedia Team	Pass	<1 sec
MAP-02	Ensure the state web pages load in no greater than 5 seconds.	RecyclePedia Team	N/A	Not implemented due to bug

iii. System testing

1. That clicking on certain things will result in opening the next page

Item to Test	Test Description	Responsibility	Results
DETAILS-01	Ensure the recycling information corresponds to the proper zip code.	RecyclePedia Team	Pass
HELP-01	Successfully navigate to the help page of a material by clicking on the help link next to that material.	RecyclePedia Team	Not implemented
LINK-01	Clicking a link should direct users to the corresponding area webpage.	RecyclePedia Team	Not Implemented
MAP-01	Clicking on a state should direct users to a state page and load correct information on that state.	RecyclePedia Team	Not implemented due to bug
NAV-01	Click the "About" button. This should open the About page.	RecyclePedia Team	Pass
NAV-02	Click the "Why Recycle?" button. This should open the Importance page.	RecyclePedia Team	Pass
NAV-03	Click the "Home" button. This should open the Index page.	RecyclePedia Team	Pass
SEARCH-01	Click the search button. This should open the Details page.	RecyclePedia Team	Pass
SEARCH-02	Enter a zip code into search bar. Text should show up in the search bar.	RecyclePedia Team	Pass

iv. Unit testing

1. All the SQL stuff works

itemTest	testName	testResult
ZIP-01	Find number of zipcodes	pass
ZIP-02	Find policy for specific zipcode	pass
ZIP-03	Finds all zipcodes for policy 1	pass
ZIP-03	Finds all zipcodes for policy 2	pass
ZIP-03	Finds all zipcodes for policy 3	pass
REC-01	Return correct recyclables for zipcode 45203 (policy 1)	pass
REC-01	Return correct recyclables for zipcode 2112 (policy 2)	pass
REC-01	Return correct recyclables for zipcode 44145 (policy 3)	pass
LAND-01	Return correct landfill items for zipcode 45203 (policy 1)	pass
LAND-01	Return correct landfill items for zipcode 2112 (policy 2)	pass
LAND-01	Return correct landfill items for zipcode 44145 (policy 3)	pass
WC-01	Returns correct waste center items for zipcode 45203 (policy 1)	pass
WC-01	Returns correct waste center items for zipcode 2112 (policy 2)	pass
WC-01	Returns correct waste center items for zipcode 44145 (policy 3)	pass

2. Above is a screenshot of the test_results table with values of "pass" entered for all test cases shown. The test_results table is generated within the RecyclePedia database.

Item to Test	Test Description	Responsibility
ZIP-01	This test will be performed by a SQL query that will compare the number of zip codes in the Area table to the number of zip codes returned by the SQL query.	Jennifer Wourms
ZIP-02	This test will be performed by a SQL query that will compare the policy of a specific zip code to the zip code of the policy returned by the SQL query.	Jennifer Wourms
ZIP-03	This test will be performed by a SQL query that will determine if all zip codes are returned when queried for a specific policy number.	Jennifer Wourms

MAT-01	This test will be performed by a SQL query that will compare the number of materials in the Materials table to the number of materials returned by the SQL query.	Jennifer Wourms
REC-01	This test will be performed by a SQL query that will compare a string containing all the recyclable items of a zip code in each recycling policy to a string of recyclable items returned by the SQL query.	Jennifer Wourms
LAND-01	This test will be performed by a SQL query that will compare a string containing all the landfill items of a zip code in each landfill policy to a string of landfill items returned by the SQL query.	Jennifer Wourms
WC-01	This test will be performed by a SQL query that will compare a string containing all the waste center items of a zip code in each waste center policy to a string of waste center items returned by the SQL query.	Jennifer Wourms

v. User Acceptance testing

1. User was a friend of a team-member

Item to Test	Test Description	Tester	Result
DETAILS-01	The zip code that appears on the Details page is the same as what was entered in the Search bar after clicking enter.	3rd Party User	Pass
HELP-01	Successfully navigate to the help page of a material by clicking on the help link next to that material.	3rd Party User	Not implemented
LINK-01	Navigate to the correct area webpage by clicking the link at the bottom of the page on the Details page.	3rd Party User	Not implemented
MAP-01	Successfully navigate to the correct statistics page of a state by clicking on a state in the interactive map on the Why Recycle page.	3rd Party User	Not implemented bug with map
NAV-01	Successfully navigate to the About page using the About button on the navigation bar.	3rd Party User	Pass
NAV-02	Successfully navigate to the Why Recycle page using the Why Recycle button navigation bar.	3rd Party User	Pass
NAV-03	Successfully navigate to the Home page using the Home button on the navigation bar.	3rd Party User	Pass
SEARCH-01	Successfully navigate to the Details page by entering a zip code into the Search bar and pressing enter.	3rd Party User	Pass
SEARCH-02	Enter a zip code into the search bar. Text should show up in the search bar.	3rd Party User	Pass

vi. Regression testing

1. A test will pass assuming it fulfills the pass criteria outlined in the other sections. If a test fails on a new update that previously tested successful, then further analysis must be made as to how that area of the project was affected.
 2. Currently, we tested the search after changing it a few times and the regression testing on the functional testing plan passed.
2. Demonstrate code coverage through a tool or manually show the code covered by functional tests.

- a. Code coverage has been manually conducted for the databases through the functional tests since it is difficult to have code coverage for PHP.
- 3. Must use a bug tracking tool to show the bugs and their resolution status.
 - a. **Github does this**
- 4. Use graders inputs to check the program functions.
 - a. Complete
- 5. How your program handles wrong inputs.
 - a. An error message is displayed