**Palindrome Test Plan.**  
  
  
Manual Test Cases

*NB: tests cover for both positive and negative scenarios.*

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| --- | --- | --- | --- | --- | --- |
| Test Case # | Test Description | Precondition | Steps and test data | Expected Result | Test Automatable |
| TestCase\_1 | Test a palindrome of phrase | Make sure application can be launched on the environment under test.  Ensure test data is availably to test this scenario | Input a phrase **(step on no pets)**  **&**  Press submit button | Yes! step on no pets reversed is step on no pets | yes |
| TestCase\_2 | Test a non-palindrome word | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input a word **(mama)**  **&**  Press submit button | No! mama reserved is amam | yes |
| TestCase\_3 | Test a palindrome numeric | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input a numeric of **(1881)**  **&**  Press submit button | Yes! 1881 reversed is 1881 | yes |
| TestCase\_4 | Test a non palindrome numeric | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input a numeric of  **(2021)**  **&**  Press submit button | No! 2021 reserved is 1202 | yes |
| TestCase\_5 | Test a palindrome  characters | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input these characters **(aaa bbb aaa bbb aaa)**  **&**  Press submit button | Yes! aaa bbb aaa bbb aaa reversed is aaa bbb aaa bbb aaa | yes |
| TestCase\_6 | Test a non-palindrome character | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input these characters **(aaa bbb aaa ccc)**  **&**  Press submit button | No! aaa bbb aaa ccc reserved is ccc aaa bbb aaa | yes |
| TestCase\_7 | Test a palindrome mixture of numbers and characters | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input the following mixture of numbers and characters **(2aba2)**  **&**  Press submit button | Yes! 2aba2 reversed is 2aba2 | yes |
| Testcase\_8 | Test a palindrome word with special characters | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input the following special Characters **(@dad@)**  **&**  Press submit button | Yes! @dad@ reversed is @dad@ | yes |
| TestCase\_9 | Test a palindrome word that is Case Sensitive (all capital letters) | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input the following **(MADAM)**  **&**  Press submit button | Yes! MADAM reversed is MADAM | yes |
| TestCase\_10 | Test a Palindrome word that is Case Sensitive (only first letter that is capital) | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input the following **(Madam)**  **&**  Press submit button | No! Madam reserved is madaM | yes |
| TestCase\_11 | Test white space or empty string | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input nothing ()  **&**  Press submit button | Yes! reversed is | yes |
| TestCase\_  12 | Test a palindrome date | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input a date **(12/11/21)**  **&**  Press submit button | Yes! 12/11/21 reversed is 12/11/21 | yes |
| TestCase\_13 | Test a non-palindrome date | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input a date **(12/11/2021)**  **&**  Press submit button | No! 12/11/2021 reserved is 1202/11/21 | yes |
| TestCase\_14 | Verify if palindrome does return positive message back | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input Palindrome  **&**  Press submit button | Yes! Input  reserved is  Input | yes |
| TestCase\_15 | Verify if the non-palindrome does return an error message back | Make sure application can be launched on the environment under test.  Ensure test data is available to test this scenario | Input non-Palindrome  **&**  Press submit button | No! Input  reserved is  Input | yes |

**Questions to Ask a Product Owner or Developer**

1. Why do we accept white space or empty strings as palindromes?
2. On the negative outcome message, why do we say **reserved** instead of **reversed?**
3. If Anagram is still work in progress, why is it visible to the users? Because users can mistake it for use, since it is enabled and does accept input and produce outcome?
4. Can the application be used on both web and mobile?
5. Why does the enter button on the keyboard not automatically trigger the submit button?

**Assumed Answers**

1. **Q1 Answers:** There is no palindrome for white or empty string, it’s actually a bug that would be fixed and released to testing.
2. **Q2 Answer:** It’s a typo mistake, it will be addressed in the next test cycle.
3. **Q3 Answer:** There is a toggle that enables and disables the feature for visibility, and it is enabled on the testing environments, because testing is still in progress, but it would be disabled in production if we had to release the application before the anagram feature being ready for use.
4. **Q4 Answer:** Application can be accessed on any device.
5. **Q5 Answer:** Some devices don’t have the feature to press enter after typing your input that would trigger the submit button, to keep things consistent a user should press the button rather than using a enter on their keyboards. Another thing is to also avoid a user from submitting unexpectedly due to accidentally tapping enter while still typing.

**Defects Report**

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| --- |
| * **Title**: Accepting empty string as an input |
| * **Description**: when pressing submit button of an empty string it is being regarded as a palindrome |
| * **Priority:** Medium |
| * **Logged by:** Kwanele |
| * **Status**: To be fixed defect |
| * **Comment:** As per the dev, the defect is valid, and it’s will be fixed and tested on the next test cycle. |
|  |
| * **Title:** Incorrect wording on the output message |
| * **Description:** In a case of an error output message there is an incorrect wording of the name reversed it is named as reserved. |
| * **Priority:** Low |
| * **Logged by:** Kwanele |
| * **Status:** Postponeddefect |
| * **Dev/Stakeholders Comment:** Defect is known but it’s will be postponed at this stage of the release and prioritize a fix for the bad user experience behavior defects, and this defect would be added in a backlog and would be addressed on second milestone as per the roadmap. |