

# Hacking Game Version 7 Functional Test Plan

## 1. Start the program

- Does the game open a window?
  - Does it have title Hacking?
  - Does it have aspect ratio 6:5?
  - Does it have a black background?
- 
- Does the game display a header?
  - Does it consist of two content lines followed by a blank line?
  - Does the first content line indicate debug mode?
  - Does the second content line indicate 4 attempts left?
  - Is it in the top left corner of the window?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game display a password list?
  - Does it consist of 13 content lines followed by a blank line?
  - Does each content line contain one password?
  - Is each password embedded in random symbols?
  - Is it directly below the header?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the password list?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?

## 2. Enter the incorrect password, SETTING, and press the enter key

- Does the game decrement the number of attempts left?
  - Does it indicate 3 attempts left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 4 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the previous prompt?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?

## 3. Enter the correct password, HUNTING, and press the enter key

- Does the game clear the window?
- 
- Does the game display a success outcome?
  - Does it contain four content lines separated by three blank lines?
  - Is the first content line the guess?
  - Do the second and third content lines indicate success?
  - Does the fourth content line prompt to press enter for exit?
  - Is it in the center of the window?
  - Does it use small font size?

- Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
  - Does the game wait for the enter key to be pressed?
4. Press the enter key to end the program
- Does the game close the window?
- 
- Does the program end?
5. Restart the program
6. Enter the incorrect password, hunting, and press the enter key
- Does the game decrement the number of attempts left?
  - Does it indicate 3 attempts left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 0 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the previous prompt?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?
7. Enter the incorrect password, an empty string, and press the enter key
- Does the game decrement the number of attempts left?
  - Does it indicate 2 attempts left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 0 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the previous prompt?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?
8. Enter the incorrect password, HUNTIGN, and press the enter key
- Does the game decrement the number of attempts left?
  - Does it indicate 1 attempt left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 5 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?

- 
- Does the game display a warning?
  - Does it indicate the player will be locked out?
  - Is it in the bottom right corner of the window?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 

- Does the game prompt for a guess?
- Does it indicate the player should enter a password?
- Is it directly below the previous prompt?
- Does it use small font size?
- Is it green on black?
- Does the game wait for the enter key to be pressed?

9. Enter the correct password, HUNTING, and press the enter key

- Does the game clear the window?
- 
- Does the game display a success outcome?
  - Does it contain four content lines separated by three blank lines?
  - Is the first content line the guess?
  - Do the second and third content lines indicate success?
  - Does the fourth content line prompt to press enter for exit?
  - Is it in the center of the window?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
  - Does the game wait for the enter key to be pressed?

10. Press the enter key to end the program

- Does the game close the window?
- 
- Does the program end?

11. Restart the program

12. Enter the incorrect password, BUNTING, a word with seven uppercase letters that is not in the password list, and press the enter key

- Does the game decrement the number of attempts left?
  - Does it indicate 3 attempts left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 6 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the previous prompt?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?

13. Enter the incorrect password, HUNTINGZZZ, and press the enter key

- Does the game decrement the number of attempts left?
  - Does it indicate 2 attempts left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 7 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?

- Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 

- Does the game prompt for a guess?
- Does it indicate the player should enter a password?
- Is it directly below the previous prompt?
- Does it use small font size?
- Is it green on black?
- Does the game wait for the enter key to be pressed?

14. Enter the incorrect password, HUNTIN, and press the enter key

- Does the game decrement the number of attempts left?
  - Does it indicate 1 attempt left?
- 
- Does the game display a hint?
  - Does it consist of two content lines?
  - Does the first content line indicate the guess is incorrect?
  - Does the second content line indicate 6 out of 7 letters are in the matching position?
  - Is it in the top right half of the window?
  - Is it directly below any other hints?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game display a warning?
  - Does it indicate the player will be locked out?
  - Is it in the bottom right corner of the window?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
- 
- Does the game prompt for a guess?
  - Does it indicate the player should enter a password?
  - Is it directly below the previous prompt?
  - Does it use small font size?
  - Is it green on black?
  - Does the game wait for the enter key to be pressed?

15. Enter the incorrect password, a very long string, and press the enter key

- Does the game clear the window?
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- Does the game display a failure outcome?
  - Does it contain four content lines separated by three blank lines?
  - Is the first content line the guess?
  - Do the second and third content lines indicate failure?
  - Does the fourth content line prompt to press enter for exit?
  - Is it in the center of the window?
  - Does it use small font size?
  - Is it green on black?
  - Does it have a 0.3 second pause after displaying each line?
  - Does the game wait for the enter key to be pressed?

16. Press the enter key to end the program

- Does the game close the window?
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- Does the program end?