

TESTING DOCUMENT

GAME NAME: HALCYON
CPSC 233 T03-3

Caelum Ethen Sloan, Matt Sardhina, Stefan Gavriliuc, Benjamin MacKay, Jiexin (Jessica) Liu

PART I: TESTING MANUALLY THROUGH INTERFACE

Testing: Basic Movement & Collision

1. Hold **"W"**. Hero should move **up** and **stop at the wall**.
2. Hold **"A"**. Hero should move **left** and **stop at the wall**.
3. Hold **"S"**. Hero should move **down** and **stop at the wall**.
4. Hold **"D"**. Hero should move **right** and **stop at the wall**.

Movement Combos:

5. Hold **"A" and "W"** together. Hero should move **diagonally up-right** and **stop at the wall**.
6. Hold **"A"** and **THEN press "D"**. Hero should **change direction**, from moving left to now moving right (however, **the opposite order should NOT be true** and hero should continue moving in the original direction).
7. Hold **"W"** and **THEN press "S"**. Hero should **change direction**, from moving up to now moving down (however, **opposite order should NOT be true** and hero should continue moving in the original direction).

Movement speed:

8. Hold **"Shift"** and then try any combination of movements. Hero should **move faster** than before (running)!

Testing: Object ranges and player hitbox

1. Press **"H"**. Should see a **small red rectangle** displayed on player (hitbox). Try moving into the walls. Hero **should stop when the corners of the hitbox contact the walls**.
2. Press **"R"**. Should see **red circles** around each item, indicating the range at which items can be interacted with.
 - a. Move hero **outside** the sword's range. Press **"Enter"**. **Nothing should happen**.
 - b. Move hero **inside** the sword's range. Press **"Enter"**. Console should **print "That tickles! OwO"**

Testing: Text-based version

1. Press **"P"**. Console will **print the hero's current position** in tile units (row and column).
 - a. **Hold "P"** and try **moving**. The hero's position should **continuously update and print** to the console to match current position.
2. Press **"T"**. Console will **display the hero's current position** in the text-based tile grid.
 - a. **Hold "T"** and try **moving**. The hero's char should **move accordingly** and print to console in the text grid.

Testing: Switching Rooms

1. Move hero to **interact with the lever**. A **black door should open**. Step inside the door and move up. Hero should **enter a new room** from the bottom.
 - a. Explore the room! When ready, **re-enter the black door** from the second room and hero should **return to original room**.

Testing: Saving

1. **Run** the game. **Close** the game. Open **checkPoint.txt**. It should display the integer **"0"** in the first line, indicating that the last room the hero was in, had index 0 (spawn location).
2. **Run** the game. Move to a **new room**. **Close** the game. **Open checkPoint.txt**. It should now display a **non-zero integer** in the first line, depending on which room you entered. **Run the game again**. Hero should be in the **most recent room** he visited prior to exiting.

PART II: TESTING AUTOMATICALLY

USING JUNIT TESTS (Version should be JUnit 4, same as coding challenges)

Note: We were unable to figure out how to run the JUnits from the command line. However, running from any version of Eclipse that contains the JUnit 4 path should work.

Open the project in Eclipse.

Navigate to PositionTest (project > administrative > administrative.JUnits > PositionTest)

Click "Run PositionTest" 

All 5 tests should run and Eclipse should output the following screen:

