

CS 1632 - DELIVERABLE 2: Unit Testing Ruby Gold Rush

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<https://github.com/aro24/D2>

We hit our roadblocks early and often. Starting with how we initialized the game—`gold_rush.rb` creates a `Checker` from `checker.rb` that (you guessed it) *checks* the validity of the user inputs. We had to implement this one feature as a separate class, as adding the feature to `main` caused some funky things to happen, where the entire `main` was executed as opposed to the checker function. Then the game is initialized from `game.rb`, where the bulk of the program code lives. The `.play` method initially did not pass rubocop's block limit of 25 lines. This led to creating extra helper methods like `.addmetals` to save an extra line or two, as well as combining logic that used to be housed in two separate while loops into one. We knew we were going to implement the locations as nodes but decided to nix the graph and instead store them in a hash map. Because the nodes' neighbors are stored as an array we thought we could leverage `.sample` to pseudo-randomly select the next location of the prospector. However, that seemed to return inconsistent results from testing, so it was changed to `.rand`.

For testing, we realized later on that our `play` method in `game.rb` was not created in a way that was entirely conducive to testing. That made coming up with meaningful stubs a little more difficult, which led us to stub a lot of our print statements with instances of the map. We also tested many of the edge cases related to the outputs, such as checking for appropriate plurality relative to the input given. Rubocop was a challenge until Anton discovered the `-a` flag which automatically substitutes the lint warnings.

D2 — -bash — 186x41

Antons-MacBook-Pro:D2 theanjo\$ ruby all_tests.rb

Run options: --seed 59882

Running:

Look inside

Strength in Numbers: A Novel of Cryptocurrency Kindle Edition

Found 2 ounces of gold in Sutter Creek.

by Bill Laboon (Author)

..Heading from Sutter Creek to Coloma, holding 2 ounces of gold and 1 ounce of silver.

Found 1 ounce of gold and 2 ounces of silver in Sutter Creek.

After 5 days, Prospector #1 returned to San Francisco with:

0 ounces of gold.

1 ounce of silver.

Heading home with \$0.0

Found 1 ounce of silver in Sutter Creek.

After 5 days, Prospector #1 returned to San Francisco with:

1 ounce of gold.

0 ounces of silver.

Heading home with \$0.0

Found 2 ounces of silver in Sutter Creek.

Found 1 ounce of gold and 1 ounce of silver in Sutter Creek.

No precious metals found in Sutter Creek.

After 5 days, Prospector #1 returned to San Francisco with:

1 ounce of gold.

1 ounce of silver.

Heading home with \$0.0

After 5 days, Prospector #1 returned to San Francisco with:

0 ounces of gold.

0 ounces of silver.

Heading home with \$0.0

..Heading from Sutter Creek to Coloma, holding 1 ounce of gold and 1 ounce of silver.

..Heading from Sutter Creek to Coloma, holding 1 ounce of gold and 2 ounces of silver.

Found 2 ounces of gold and 2 ounces of silver in Sutter Creek.

..Heading from Sutter Creek to Coloma, holding 2 ounces of gold and 2 ounces of silver.

Found 2 ounces of gold and 1 ounce of silver in Sutter Creek.

..... Found 1 ounce of gold in Sutter Creek.

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Phlox Tseretelli was an ordinary English literature major and part-time waitress worried about grades and her career prospects after graduation... until she discovered that somewhere in her apartment might be

by a long-dead researcher who used to live there, it would make her

people in Pittsburgh. For a poor girl from a dying Rust Belt mill town, this was the

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