Testing skeleton

Version: 1.1

Godot Unit Testing (GUT) framework for game unit testing:

```
func test create player():
    # Ensure a player object is created without any issues.
func test gameboard generation():
    # Ensure a game board object is created without any issues.
func test select cards():
    # Ensure a player can select a card from the game board.
    # Players can select 2 cards per turn.
func test card pair match():
    # Ensure the game properly reports a match if 2 card selections
    # contain the same fruit or vegetable.
func test game results():
    # Compare card pair totals for each player (multiplayer) and report
    # the highest count as the winner or tie if there is an equal count.
func test_get_card_description():
    # If the player has a card pair, let them view the description of
    # the fruit or vegetable.
```

Selenium WebDriver for web interface unit testing (using Python 3):

Prerequisites: python3, pip package manager, selenium module, chromedriver, and import statement below

```
from selenium import webdriver
def create browsing session()
      """ ensure main page is accessible """
     browser = webdriver.Chrome()
     browser.get(link to website)
def open game page()
      """ ensure game page is accessible """
     browser = webdriver.Chrome()
     browser.get(link_to_website)
      browser.find element by id(<game page button>).click()
      browser.implicitly wait(number of seconds)
def open payment page()
      """ ensure payment page is accessible """
     browser = webdriver.Chrome()
     browser.get(link to website)
      browser.find element by id(<payment page button>).click()
      browser.implicitly wait(number of seconds)
```

Game integration tests:

```
extends "res://addons/gut/test.gd"
class TestPlayerClass:
     extends "res://addons/gut/test.gd"
     func before all():
          gut.p("----Player Integration Test----")
     func after all():
          gut.p("----")
extends "res://addons/gut/test.gd"
class TestCardClass:
     extends "res://addons/gut/test.gd"
     func before all():
          gut.p("----Card Integration Test----")
     func after all():
          gut.p("----")
extends "res://addons/gut/test.gd"
class TestGameBoardClass:
     extends "res://addons/gut/test.gd"
     func before all():
          gut.p("----Game Board Test----")
     func after all():
          gut.p("----")
```

```
# Big bang approach: load multiple files and make sure they all pass
extends SceneTree
func _init():
    load('res://scripts/unittest.gd').run([
         'res://scripts/player_unit_tests.gd',
         'res://scripts/card_unit_tests.gd',
         'res://scripts/game_unit_tests.gd'
])
    quit()
```

Payment system integration test:

. . .

Web interface integration test:

Regression test procedure:

Highest priority at the top, lowest priorities at the bottom.

