


**SUNY\_Binghamton: CS445 Software Engineering (U)**

▶ Getting Started Overview

Here are the instructions for submitting HW4. Submission will be similar to HW3. You will submit a `.tar.gz` file with various directories of your app:

▶ W0M: Overview and Introduction to Software Engineering (Week 0, Monday Aug. 31)

- `app/`
- `config/`
- `db/migrate`
- `features/`
- `spec/`
- `Gemfile`

▶ W0W: Beautifully Engineered Software, Plan & Document vs Agile (Week 0, Wednesday Sept. 2)

- `Gemfile.lock`

If you modified any other files, please include them too. If you are using the Virtual Machine, navigate to the root directory for HW4 and run

```
tar czf hw4.tar.gz app/ config/ db/migrate features/ spec/ Gemfile Gemfile.lock
```

This will create the file `hw4.tar.gz`, which you will submit.

▶ W1W: Introduction to Ruby (Week 1, Wednesday Sept. 9)

## HW4 SUBMISSION (130/500 points)

No file chosen

▶ W2W: More Ruby and Intro to BDD & TDD (Week 2, Wednesday Sept. 16)

▶ W3M: SaaS Architecture and REST

(Week 3,  
Monday Sept.  
21)

- ▶ W4M: SaaS Architecture and REST (Week 4, Monday Sept. 28)

- ▶ W4W: Rails Intro (Week 4, Wednesday Sept. 30)

- ▶ W5M: Rails cont. (Week 5, Monday Oct. 5)

- ▶ W5W: Enhancing SaaS with JavaScript (Week 5, Wednesday Oct. 7)

- ▶ W6M: Agile Methodology: Working with the Customer (Week 6, Monday Oct. 12)

- ▶ W6W: BDD with Cucumber and Capybara

```
On Time -----
Running student tests found in features/ spec/:
/home/ubuntu/.rvm/rubies/ruby-1.9.3-p545/bin/ruby -S bundle exec
cucumber --profile default
[deprecated] I18n.enforce_available_locales will default to true in
the future. If you really want to skip validation of your locale you
can set I18n.enforce_available_locales = false to avoid this
message.

-----

Checking coverage for:
  controllers >= 90.00%
  models >= 90.00%

-----
all files: 54.24%% coverage
controllers: 47.92%% coverage
models: 85.71%% coverage
mailers: 100.00%% coverage
helpers: 75.00%% coverage
libraries: 100.00%% coverage

Failed coverage test (controllers, models coverage too low).
Score: 0/20.0

-----

Running reference Cucumber scenarios:
Disabling profiles...
Feature: search for movies by director

  As a movie buff
  So that I can find movies with my favorite director
  I want to include and search on director information in movies I
enter

  Background: movies in database      # /tmp/hw4_grader20151103-
24510-1c730un/required_features/director.feature:7
    Given the following movies exist: #
features/step_definitions/director_steps.rb:3
      | title      | rating | director      | release_date |
      | Star Wars   | PG     | George Lucas  | 1977-05-25   |
      | Blade Runner | PG     | Ridley Scott  | 1982-06-25   |
      | Alien       | R      |               | 1979-05-25   |
      | THX-1138    | R      | George Lucas  | 1971-03-11   |

    Scenario: add director to existing movie      #
/tmp/hw4_grader20151103-24510-
1c730un/required_features/director.feature:16
      When I go to the edit page for "Alien"      #
features/step_definitions/web_steps.rb:48
      And I fill in "Director" with "Ridley Scott" #
features/step_definitions/web_steps.rb:60
```

(Week 6,  
Wednesday  
Oct. 14)

▼ **W7M: TDD  
with RSpec  
(Week 7,  
Monday Oct.  
19)**

ESaaS Ch. 8.2:  
RSpec on Rails  
(7:31)

ESaaS Ch. 8.2: The  
TDD Cycle: Red-  
Green-Refactor  
(10:51)

ESaaS Ch. 8.3:  
Seams (11:36)

ESaaS Ch. 8.4:  
Expectations  
(14:04)

ESaaS Ch. 8.4  
cont: Mocks,  
Stubs, and Test  
Setup (14:19)

**HW4: BDD, TDD  
Cycle**

Homework 4 due Nov  
03, 2015 at 05:00 UTC

**W7.0M - Goals  
and Activities**

**W7.2M -  
Background: TDD**

**W7.3M - Activities**

**W7.4M -  
Preparation for  
Wednesday, Oct.  
21**

```

And I press "Update Movie Info" #
features/step_definitions/web_steps.rb:52
Then the director of "Alien" should be "Ridley Scott" #
features/step_definitions/director_steps.rb:12

Scenario: find movie with same director #
/tmp/hw4_grader20151103-24510-
1c730un/required_features/director.feature:22
Given I am on the details page for "Star Wars" #
features/step_definitions/web_steps.rb:44
When I follow "Find Movies With Same Director" #
features/step_definitions/web_steps.rb:56
Then I should be on the Similar Movies page for "Star Wars" #
features/step_definitions/web_steps.rb:230
And I should see "THX-1138" #
features/step_definitions/web_steps.rb:105
But I should not see "Blade Runner" #
features/step_definitions/web_steps.rb:123

Scenario: can't find similar movies if we don't know director (sad
path) # /tmp/hw4_grader20151103-24510-
1c730un/required_features/director.feature:29
Given I am on the details page for "Alien"
# features/step_definitions/web_steps.rb:44
Then I should not see "Ridley Scott"
# features/step_definitions/web_steps.rb:123
When I follow "Find Movies With Same Director"
# features/step_definitions/web_steps.rb:56
Then I should either be on the home page or the RottenPotatoes
home page # features/step_definitions/saas_web_steps.rb:1
And I should see "'Alien' has no director info"
# features/step_definitions/web_steps.rb:105
expected to find text "'Alien' has no director info" in
"Browse the documentation Rails Guides Rails API Ruby core Ruby
standard library Welcome aboard You???re riding Ruby on Rails! About
your application???s environment Getting started Here???s how to get
rolling: Use rails generate to create your models and controllers To
see all available options, run it without parameters. Set up a
default route and remove public/index.html Routes are set up in
config/routes.rb. Create your database Run rake db:create to create
your database. If you're not using SQLite (the default), edit
config/database.yml with your username and password."
(RSpec::Expectations::ExpectationNotMetError)
./features/step_definitions/web_steps.rb:107:in `/(?|I
)should see "([^\"]*)"$/
./required_features/director.feature:34:in `And I should see
"'Alien' has no director info"'

Failing Scenarios:
cucumber /tmp/hw4_grader20151103-24510-
1c730un/required_features/director.feature:29 # Scenario: can't find
similar movies if we don't know director (sad path)

3 scenarios (1 failed, 2 passed)

```

- ▶ W7W: TDD with RSpec cont. and Review So Far (Week 7, Wednesday Oct. 21)
- ▶ W8M: Wrap Up and Assessment of Part 1 (Week 8, Monday, Oct. 26)
- ▶ W8W: Project Poster Session
- ▶ W9M: Introduction to Part 2 and Advanced Rails (Week 9, Monday Nov. 2)
- ▶ W9W: Advanced Rails (Week9, Wednesday, Nov. 4)
- ▶ W10M: Refactoring & Legacy (Week 10, Monday Nov. 9)
- ▶ W10W: Refactoring &

```
17 steps (1 failed, 16 passed)
0m1.399s
*** ERROR: #<SystemExit: exit>
Coverage report generated for Cucumber Features, RSpec to
/tmp/hw4_grader20151103-24510-1c730un/coverage. 32 / 59 LOC (54.24%)
covered.
Test passed. (+0.5)
-----
    2 out of 3 scenarios passed
    Score: 26/40
-----
Total score: 26.0 / 100.0
Completed in 47.143707329 seconds.
```

## SUBMIT URL TO PAIRING VIDEO (SCREENCAST)

(10/10 points)

Please submit the URL to an [unlisted](#) youtube video recording (screencast) of your pairing session on this assignment below.

We worked together in class



Note: we are hoping to see screencasts with screenshare plus text chat, or even better, audio chat, but video from webcams are not required.