



▶ Getting Started Overview

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

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

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

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

▼ W3M: SaaS

## HW 1-2: BASIC OBJECT-ORIENTED PROGRAMMING FOR DESSERT

(100/100 points)

Specs: `spec/dessert_spec.rb`

1. Create a class `Dessert` with getters and setters for name and calories. The constructor should accept arguments for name and calories.
2. Define instance methods `healthy?`, which returns true if and only if a dessert has less than 200 calories, and `delicious?`, which returns true for all desserts.
3. Create a class `JellyBean` that inherits from `Dessert`. The constructor should accept a single argument giving the jelly bean's flavor; a newly-created jelly bean should have 5 calories and its name should be the flavor plus "jelly bean", for example, "strawberry jelly bean".
4. Add a getter and setter for the flavor.
5. Modify `delicious?` to return false if the flavor is `licorice`, but true for all other flavors. The behavior of `delicious?` for non-jelly-bean desserts should be unchanged.

No files selected.

**Architecture  
and REST  
(Week 3,  
Monday Sept.  
21)**

ESaaS Ch. 2.1-2:  
The Web as a  
Client-Server  
System; TCP/IP  
intro (13:25)

ESaaS Ch. 2.3:  
HTML+CSS (9:33)

ESaaS Ch. 2.4:  
3-tier shared-  
nothing  
architecture &  
scaling (11:53)

ESaaS Ch. 2.5:  
Model-  
View-Controller  
(8:06)

**Homework 1:  
More Ruby (Due  
Tues. 9/29 at  
Midnight)**

Homework 1 due Oct  
06, 2015 at 05:00 UTC

W3.0M - Goals  
and Activities for  
Week 3, Monday

W3.2M -  
Background:  
Introduction to  
Git and HTML

W3.3M - Activities

W3.4M -  
Preparation for  
Monday, Sept. 28

```
On Time
Dessert
  cake
    should have 400 calories [10 points]
    should be named cake [10 points]
    should be delicious [10 points]
    should not be healthy [10 points]
  apple
    should be delicious [10 points]
    should be healthy [10 points]
  can set
    calories [10 points]
    name [10 points]

JellyBean
  when non-licorice
    should contain 5 calories [5 points]
    should be named vanilla jelly bean [5 points]
    should be delicious [5 points]
  when licorice
    should not be delicious [5 points]

Finished in 0.00862 seconds
12 examples, 0 failures
```

**SUBMIT URL TO PAIRING VIDEO (SCREENCAST)**

(10 points possible)

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

?

If you are unable to access YouTube and/or G+, feel free to submit a link to a video hosted on some other service (such as Zoom).

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

► 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  
(Week 6,  
Wednesday  
Oct. 14)

- ▶ W7M: TDD  
with RSpec  
(Week 7,  
Monday Oct.  
19)
- ▶ 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  
(Week 7,  
Wednesday,  
Nov. 4)
- ▶ W10M:

Refactoring &  
Legacy (Week  
10, Monday  
Nov. 9)

- ▶ W10W:  
Refactoring &  
Legacy (Week  
10, Nov. 11)
- ▶ W11M: Project  
Management  
(Week 11,  
Monday Nov.  
16)
- ▶ W11W: Project  
Management  
(Week 11,  
Wednesday,  
Nov. 18)
- ▶ W12M: More  
Enhancing  
SaaS with  
Javascript  
(Week 12,  
Monday Nov.  
23)
- ▶ W13M: Design  
Patterns for  
SaaS (Week 13,  
Monday Nov.  
30)
- ▶ W13W: Design  
Patterns for  
SaaS (Week 13,

Wednesday,  
Dec. 2)

- ▶ W14M:  
Practical  
DevOps:  
Deployment,  
Upgrades,  
Performance,  
Security (Week  
14, Monday  
Dec. 7)
- ▶ W14W:  
Practical  
DevOps:  
Deployment,  
Upgrades,  
Performance,  
Security (Week  
14,  
Wednesday  
Dec. 9)
- ▶ W15M:  
EarlyBird  
Project Demos  
(Monday, Dec.  
14)
- ▶ W15W-W16T:  
Project Demos  
and Final  
Exam  
(Wednesday-  
Friday and  
Monday and  
Tuesday Dec.  
16-18 and Dec  
21-22)

- ▶ Bonus Videos

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