

# Sprint 3 Retrospective

## Links

[Pivotal Tracker](#)

[GitHub repo](#)

[Heroku deployment](#)

## Dates of the sprint

Mar 18 - Mar 29

### Team Info

**Product Owner:** Tolga Yildiz

**Scrum Master:** Michael Chiu

**Devs:** Mackenzie Hamlett, Chenxin Li, Jakob Kirby, Syeda Fizza Ali, Francis Bui

## Member Contributions

- Tolga Yildiz: Updated to new Ruby version as well as set up client meetings as well as lead client/ customer discussions and emails. Merged PRs.
- Fizza Ali: Implemented feature 1 story 2
- Francis Bui: Implemented feature 1 story 1 as well as updated Ruby version (feature 2 story 1) and feature 2 story 2
- Mackenzie Hamlett: Implemented feature 1 story 1 with Francis, updated and fixed rspec and cucumber tests
- Michael Chiu: Running standup, updating pivotal tracker for teammates. Merged PRs.
- Chenxin Li: Implemented feature 1 story 2
- Jakob Kirby: Implemented all 3 stories in feature 3, with the Trainee status management

## Sprint Goal

Getting the stories with highest priority from the customer implemented, during this sprint our goal was to add new functionality for the user to navigate around the site easier along with trainee statusing, updated unit and integration testing as needed and revamped the UI pages to provide quality modernized views for the clients. For this sprint we wanted to make sure that things are implemented as requested regarding the interface design and application navigation.

## Sprint Achievements

Feature 1 Story 1: Completed by Francis Bui, Mackenzie Hamlett

Feature 1 Story 2: completed by Chenxin Li, Syeda Fizza Ali

Feature 2 Story 1: Completed by Tolga Yildiz, Francis Bui

Feature 2 Story 2: Completed by Francis Bui

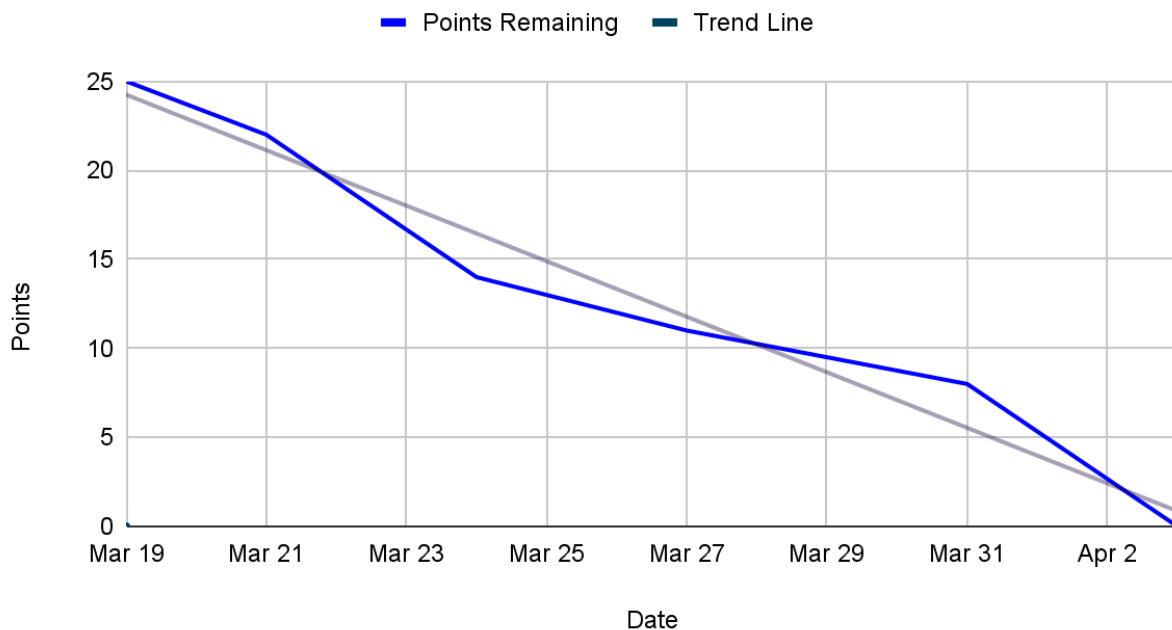
Feature 3 Stories 1-3: Completed by Jakob Kirby

## Backlog Items

During this sprint we kept two stories currently in the backlog from sprint 1 in our backlog for all of sprint 3 and will carry over into sprint 4; these include Retrieve user Tracking Data as well as Store User Tracking Data. These will stay in the backlog and blocked until we implement stories in sprint 4 to keep track of the dates in which clients are tracking completed tasks and challenges. During this sprint we did not move any stories worked on to the backlog.

## Burndown Chart

### Burndown Chart

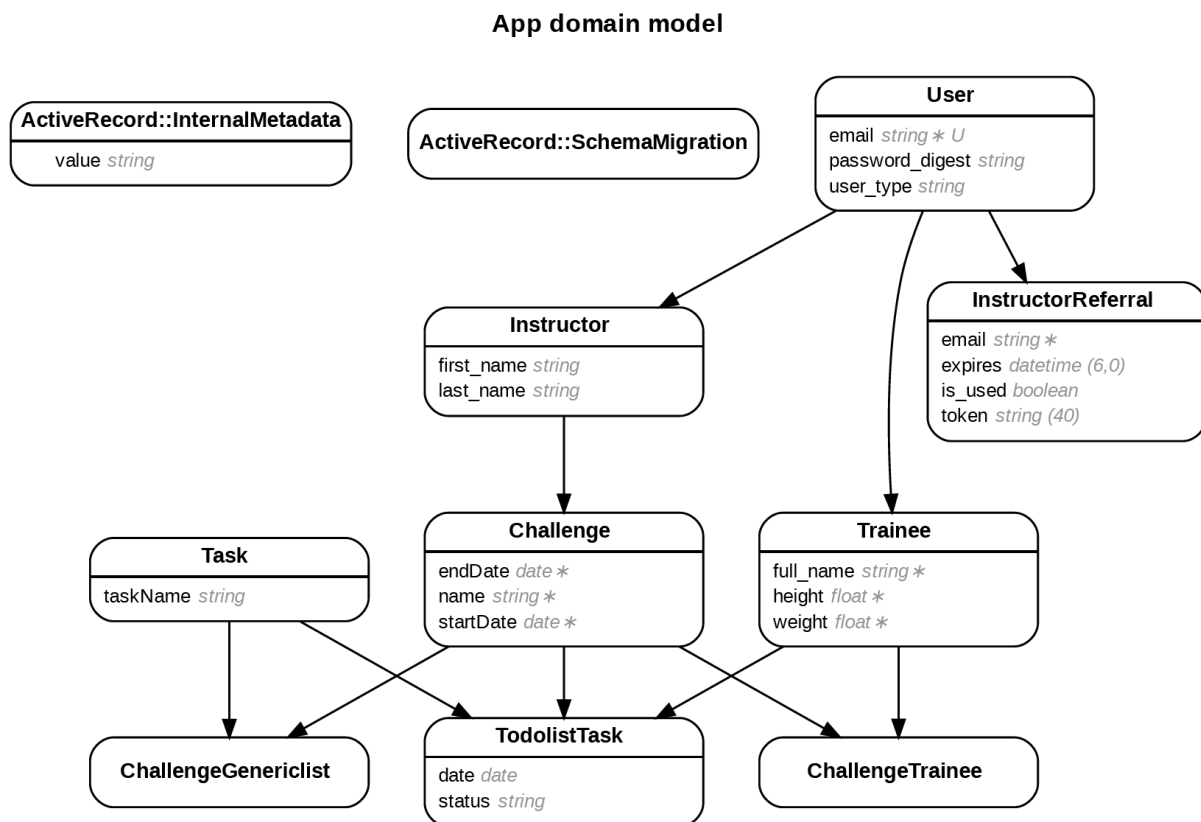


## Documentation of Changes

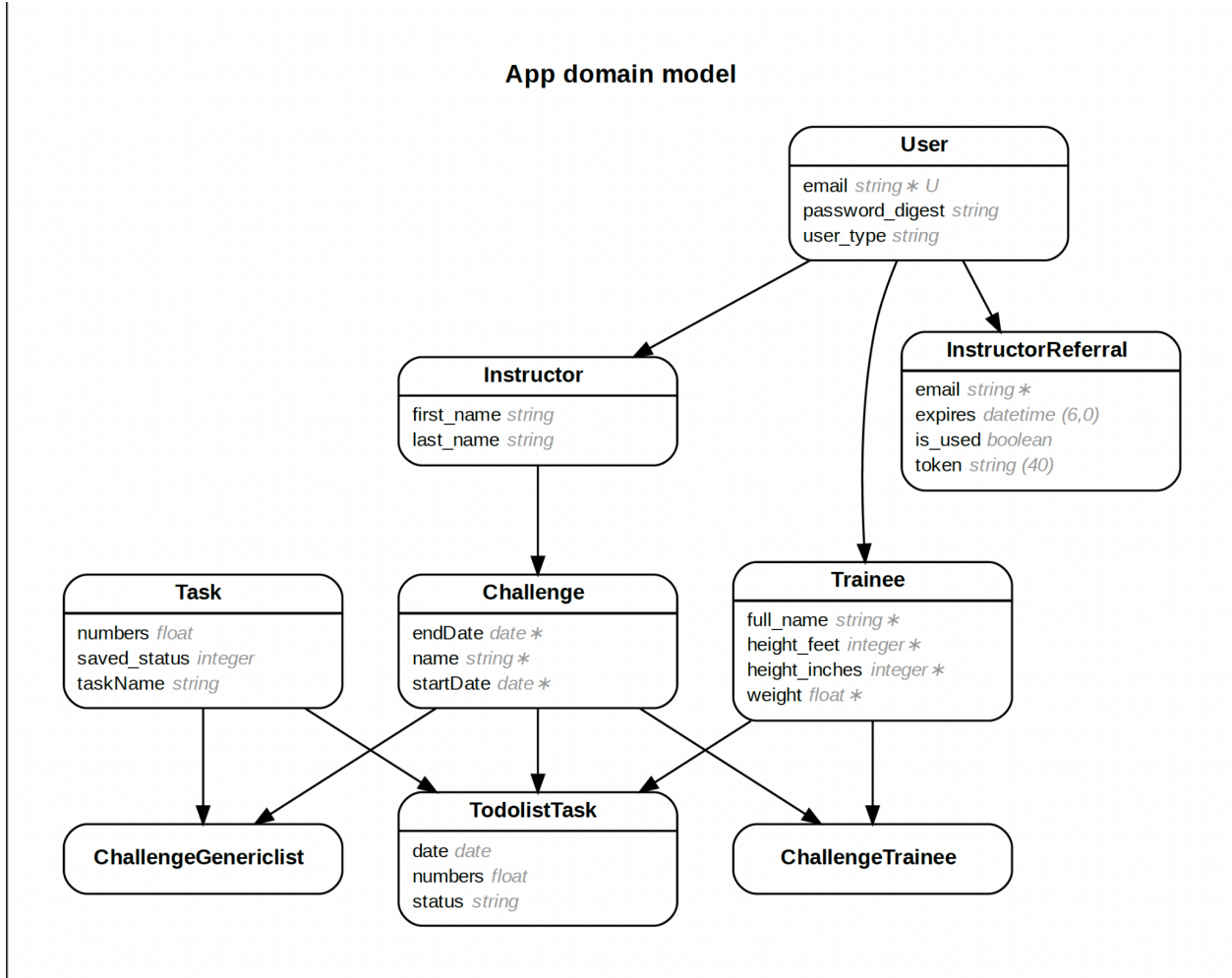
- implemented feature 1 story 1:

- Add new dropdown menu for navigation
- Add home button
- Update and refine unit and integration tests
- Implemented feature 1 story 2:
  - Add Background images for UI
  - Add modernized look to interface for user friendliness
  - Create and apply logo
- Implemented feature 2 story 1:
  - Update Ruby version from 3.1.0 to 3.1.4
- Implemented feature 2 story 2:
  - Fixed the mobile interface to allow the same functionalities as the web interface with navigation and content
- Feature 3:
  - Added Deactivate Trainee
  - Added Reactivate Trainee (for returning trainees)
  - Added Destroy Trainee (remove from DB entirely)

## Design Diagram



Old Design Diagram



New Design Diagram

## Customer Meeting for MVP Demo

2 April 2024 - Zoom

Feedback: Dr. Niki provided feedback including positive remarks on our implementations of the new UI, added navigation bar, home button, and mobile views. However, she mentioned that having a discussion board for the trainees and instructors would be a nice addition.

11	165	213
files	churns	smells

Overview

Code

Smells

Coverage

Rating	Name	Churn	Complexity	Duplication	Smells
F	ChallengesController	40	518.37	190	92
F	ToDoListController	21	310.95	82	53
F	BestDaysSteps	5	192.38	262	5
F	ToDoListSteps	12	255.46	110	5
F	UpdateTraineeToDoSteps	5	98.13	201	5
F	ViewTraineeSteps	9	331.85	38	3
F	ViewTraineeToDoSteps	4	142.38	345	5
F	ChallengesControllerSpec	32	1136.52	512	24
F	InstructorsControllerSpec	17	380.75	330	4
F	ToDoListControllerSpec	12	333.88	142	10
F	ViewTraineesControllerSpec	8	351.8	144	7

## BDD&TDD

### RSpec Coverage Report

All Files ( 94.09% )

Generated 5 minutes ago

All Files ( 94.09% covered at 2.47 hits/line )

39 files in total.  
1287 relevant lines, 1211 lines covered and 76 lines missed. ( 94.09% )

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
app/controllers/todo_list_controller.rb	68.87 %	277	151	104	47	1.81
app/controllers/users_controller.rb	85.00 %	35	20	17	3	2.45
app/controllers/trainee_signup_controller.rb	90.00 %	39	20	18	2	2.00
app/controllers/challenges_controller.rb	92.48 %	387	226	209	17	3.07
spec/controllers/password_resets_controller_spec.rb	93.94 %	56	33	31	2	1.09
app/controllers/profiles_controller.rb	95.00 %	39	20	19	1	1.70
app/controllers/instructor_referral_controller.rb	95.24 %	36	21	20	1	1.38
spec/controllers/instructor_referral_spec.rb	95.45 %	47	22	21	1	1.23
app/controllers/password_resets_controller.rb	96.30 %	49	27	26	1	1.26
app/controllers/instructors_controller.rb	98.46 %	113	65	64	1	2.46
app/controllers/application_controller.rb	100.00 %	9	4	4	0	15.00
app/controllers/sessions_controller.rb	100.00 %	28	17	17	0	1.65
app/controllers/trainee_profile_controller.rb	100.00 %	36	19	19	0	2.53
app/controllers/view_trainees_controller.rb	100.00 %	87	47	47	0	1.68
app/mailers/application_mailer.rb	100.00 %	6	3	3	0	1.00

# Cucumber Report

All Files ( 87.14% )

Generated 3 minutes ago

All Files ( 87.14% covered at 7.97 hits/line )

51 files in total.  
1579 relevant lines, 1376 lines covered and 203 lines missed. ( 87.14% )

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
features/step_definitions/instructorsignup_steps.rb	55.93 %	108	59	33	26	1.53
app/controllers/instructors_controller.rb	66.15 %	113	65	43	22	8.86
app/controllers/todo_list_controller.rb	66.89 %	277	151	101	50	8.07
app/controllers/view_challenge_tasks_controller.rb	72.22 %	61	36	26	10	45.08
app/controllers/trainee_profile_controller.rb	78.95 %	36	19	15	4	1.84
app/controllers/challenges_controller.rb	79.20 %	387	226	179	47	4.98
app/controllers/users_controller.rb	80.00 %	35	20	16	4	39.65
features/step_definitions/view_trainee_todo_steps.rb	83.64 %	107	55	46	9	8.53
app/controllers/instructor_referral_controller.rb	85.71 %	36	21	18	3	3.67
features/step_definitions/trainee_log_tasks.rb	88.89 %	18	9	8	1	1.00
features/step_definitions/instructor_referral_steps.rb	91.30 %	85	46	42	4	1.57
features/step_definitions/forgot_password_steps.rb	92.31 %	80	39	36	3	1.41
features/step_definitions/login_steps.rb	93.10 %	56	29	27	2	3.21
features/step_definitions/todo_list_steps.rb	93.26 %	148	89	83	6	3.15
features/step_definitions/trainee_signup_steps.rb	93.33 %	61	30	28	2	1.43