

TEAM MEMBERS :

Scrum Master : Rituparna Mandal

Product Owner: Rahul Baid

Developers - Jose Salazar, Alea Nablan, Shweta Kumaran, Milad Saadat, Harsh Shah and Fatemah Zare

Links :

1. GitHub: <https://github.com/shweta-kumaran/CastNXTfall24>
2. Slack: https://join.slack.com/t/slack-kl16283/shared_invite/zt-2r9q79t74-y1P3FWeX92YvA0_yAfUXng
3. Heroku: <https://castnxtfall2024-a6422e600193.herokuapp.com/>
4. Tracker: Github projects - <https://github.com/users/shweta-kumaran/projects/2>

Sprint 3 Duration: Oct 26, 2024 - Nov 5, 2024

Information about team and member contributions

| Member | Role | Points completed |
|------------------|---------------|------------------|
| Rituparna Mandal | Scrum master | 2 |
| Rahul Baid | Product Owner | 5 |
| Alea Nablan | Developer | 2 |
| Harsh Shah | Developer | 2 |
| Shweta Kumaran | Developer | 2 |
| Jose Salazar | Developer | 2 |
| Milad Saadat | Developer | 0 |
| Fatemah Zare | Developer | 0 |

Sprint Goal

In this sprint, our goal was to make some changes to set up cucumber and cover all rspec and ui codes to 90%. While triaging some issues with slow server loading, we worked on some bugs - like the scrolling issue and the submit button.

Sprint achievements

1. GitHub CI for linting and testing
2. Test suite Jest tests at 90%
3. Rspec coverage above 90%
4. Cucumber setup for BDD testing
5. Pushed Talent/Admin DM feature
6. Fix existing bugs such as slowness and scrolling issues.

Sprint backlog items and status:

We were blocked on stories 1, 2, and 3 because we were unable to test UI elements using cucumber-js. This issue was informed to the TA and professor. The suggestion we received from graders was to try cucumber-js, which did not help much.

1. **Cucumber scenarios - user (-)**

This story was to test cucumber scenarios for the activities that users can perform in the app. We were blocked on this for the reasons explained above.

2. **Cucumber scenarios - admin (-)**

This story was to test cucumber scenarios for the activities that the admin can perform in the app. We were blocked on this for the reasons explained above.

3. **Cucumber scenarios -client (-)**

This story was to test cucumber scenarios for the activities that the client can perform in the app. We were blocked on this for the reasons explained above.

Hence, we decided to pick up different issues while we tested different packages for cucumber integration and added stories 4, 5, 6, and 7 to our sprint and completed those. Story 4 is a reduced scope of stories 1, 2, and 3 where we were able to do a POC for BDD.

4. Set up cucumber (+)

In this story, we have successfully set up a jest-cucumber package and used it to cover TDD scenarios.

Assigned to: Rahul

Estimate: 1 week

5. Fix Scrolling Issue (+)

There was an issue scrolling on the Event forms page. This has been fixed.

Assigned To: Rahul

Estimate: 1 week

6. Slowness fix (+)

The client was testing our application and noticed that there were times when the deployment would take a long time to load the page (say, 8 seconds). They asked us to investigate the source of the slowness and consider solutions to resolve the issue, taking into account the cost/benefits of each solution. This was added to our sprint as a spike, so there were no user-facing changes or code changes as a result of completing this story

Assigned To: Rahul

Estimate: 1 week

7. Submit button (+)

The client, during testing, noticed a confusing UI design in the form preview created by an admin during event setup and requested a change to clarify that the form preview would not submit data. The developer received this feature request at the last minute and, despite understanding the requirements, encountered issues during implementation, making it unable to be completed and moving it to the next sprint.

Assigned to: Harsh

Estimate: 1 week

8. Talent/Admin DM (*)

We scaled back on the proposed changes for this feature. Instead of implementing the ability to allow admins to have a group direct message with multiple talents, we instead implemented the ability for admins to direct message one specific talent at a time. This change was made to satisfy the client's requests. The client tested our application and noticed multiple bugs throughout the usage of the app. So fixing these bugs took initial priority over fully implementing this story as proposed

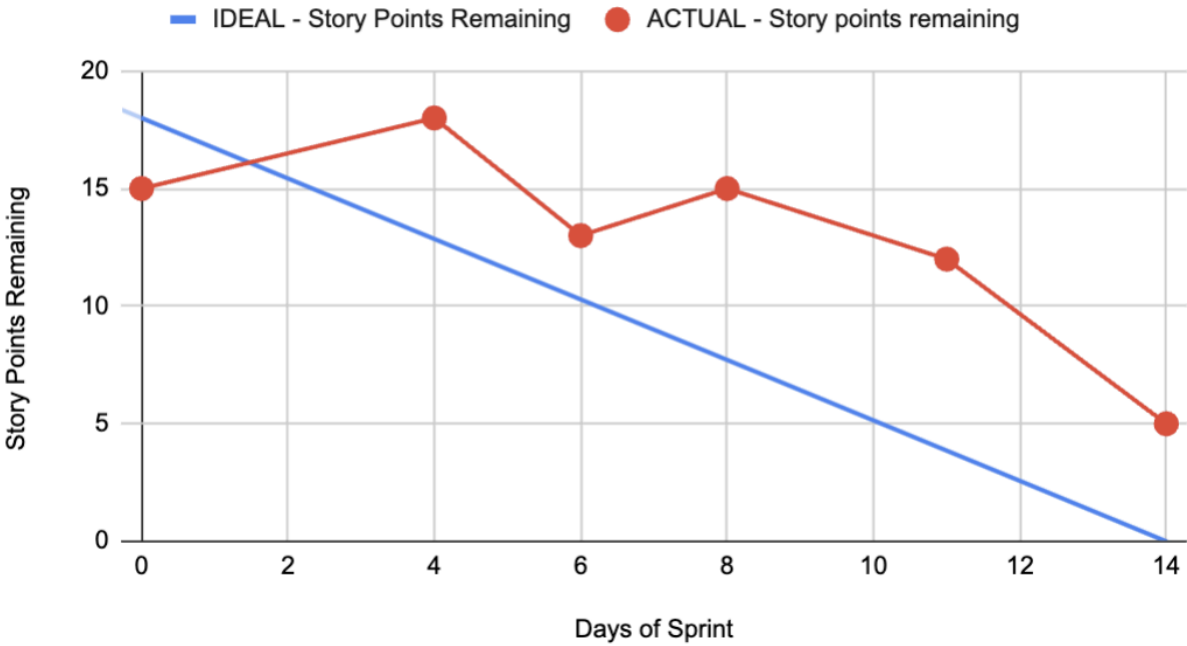
Assigned to: Jose, Harsh

Estimate: 1 week

Burndown

Due to challenges facing the Cucumber setup, we reached out to the TA and graders and only got one developer cucumber set up for the project. This progress and communication ended a day before the sprint ended. Thus, due to the delay, we added new tasks to do while the cucumber issue was going on. Thus, we added more items and were not able to complete other items. This is seen in the backlog chart below.

Sprint 3 Burndown Chart



Design diagrams

1. Talent/Admin DM

admin123

def

Location : Hollywood, Florida

Date : 2024-11-09T06:00:00.000Z

Category : Fashion

HOME

SUBMITTED DOCS

SELECTED DOCS

CLIENT DECKS

FINALIZED DECKS

SUMMARY

EDIT FORM

Use this page to create a master slide deck for this event.

Registered Users

CHAT WITH USER123

Add Row

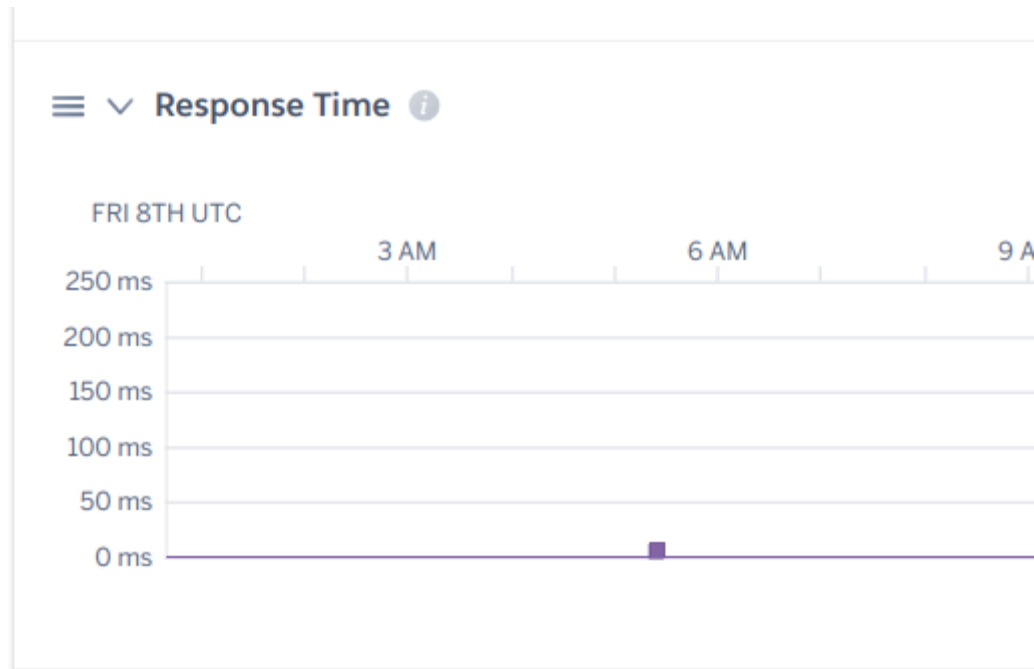
Save Data

| <input checked="" type="checkbox"/> | Name | Gender | Birth Date | Email | State | City |
|-------------------------------------|---------|--------|------------|--------------------|-------|------|
| <input checked="" type="checkbox"/> | user123 | | 2024-11-03 | user123@gmail.c... | | |

1 row selected

1-1 of 1

2. App slowness fix story - Heroku Metrics showing App Response Time



3. CI pipeline story - GitHub actions showing the CI pipeline

[Summary](#)

Jobs

✓ ci

Run details

[Usage](#)

[Workflow file](#)

ci
succeeded last week in 2m 18s

- > ✓ Set up job
- > ✓ Run actions/checkout@v4
- > ✓ Setup Ruby and install gems
- > ✓ Setup Node
- > ✓ Install packages
- > ✓ Run Rubocop
- > ✓ Run Jest tests
- > ✓ Run MongoDB
- > ✓ Run RSpec tests
- > ✓ Run paambaati/codeclimate-action@v9
- > ✓ Post Setup Node
- > ✓ Post Run actions/checkout@v4
- > ✓ Complete job

Documentation of changes

The following changes were made:

1. **GitHub CI for linting and testing**

CI has the workflow to deploy to Heroku and cover lint check, yarn test, and integration of code coverage to CodeClimate.

2. **Test suite Jest tests at 90%**

We have successfully added test cases for jest to cover 90% of the code with all test cases passing. This tests all UI views and correct rendering of UI components

3. **Rspec coverage above 90%**

We have successfully added test cases for Rspec to cover 90% of the model and controller-related code.

4. **Cucumber setup for BDD testing**

We have used jest-cucumber and successfully covered some scenarios as part of cucumber BDD testing

5. **Admin/ talent DM feature**

Admin now has the capability to DM any single talent as shown in the design diagram.

6. **Fix for slowness**

We have upgraded to the Basic Dynos model in Heroku now and after monitoring app response time, we see there is a significant improvement in app response time.

7. **Fix scrolling Issue**

Scrolling on the Event forms page did not display UI elements properly. The fix has been pushed.

Evaluations of Code and Test Coverage:

- Code Smells: 65 (from code climate)
- Maintainability : D (from code climate)
- RSpec Code coverage: 90% (TDD)
- Jest (Jest-Cucumber for BDD) Code Coverage: 90%

Customer Meeting Date/Time: Oct 29, 2024 @ 7 PM CST

Customer Meeting Discussion: We updated our progress for the sprint to the client. Major discussion points were :

1. The client wanted some triaging to be done on the slowness of the app.
2. The client had shared some bugs that he noticed earlier in the week. We went through those issues and prioritized them.

3. We demoed some of the bug fixes for the bug reports made by the client.
4. We discussed the UI button placements for the DM feature user story.