CSCE 606 : Software Engineering

Project : CASTNXT (Client : Tito Chowdhury from FashioNXT)

Iteration 0 Report

Team roles :

Product Owner : Shubham Parashar
Scrum Master : Rohan Gupta Kandikonda
Developers : Siddharth Devulapalli , Anushka Garg , Mounika Balivada

Customer Meeting Date/Time/Place:

1st Meeting - Introduction call - 22/09/2022 - 5 to 6 pm
2nd Meeting - Requirements gathering - 29/09/2022 - 5 to 6 pm

Recurring meeting will take place on every Wednesday from 7-8 pm (tentative)

Note : We have met the client in the 1st meeting but there were no concrete discussions held regarding the requirements during the first meeting. Because of this, we couldn't create the iteration report and seeked professor's permission to submit it after a proper discussion with the client. In the 2nd meeting with the client, we have discussed the requirements and hence, created this report.

Summary of the project :

Our customer FashioNXT requires a platform which can streamline the communication and selection process that involves a producer, several clients and models. Therefore, our previous teams had come up with the idea of developing a website involving 3 different user logins: producer, model/talent and client. Here, there is a single producer i.e. FashioNXT, several clients and numerous models. All have different access levels for their logins, typically producer can be called as an admin user. Each talent can register for several events and the producer would propose the list of talents to his/her clients and the client can then provide their preference w.r.t. talents followed by negotiation and finalization of the same for respective events.

The main goal of this project is to curb down manual work and communication as much as possible and channelize it via a user friendly website. It also helps in keeping and viewing various data records at a single place. For this semester, we are aiming at the improvement of various user experiences in the app and resolving some of the bugs existing in the code, by developing resilient and quality code.

User Stories :

1. **Feature : Filtering of attributes**

   As a producer
   I want to filter out the applicants for an event
   So that it will be easier for me to select the talent based on specific attributes.

2. **Feature : Edit Event And Delete Event**

   As a producer
   I want to edit or delete an already created event
   So that I have an option to edit or delete an event whenever I want to.

3. **Feature: Notification spotlight**

   As a user of the app
   I want to see a notification tab on the homepage of the web app.
   So that notifications about user registrations, new events, event due dates, etc are displayed

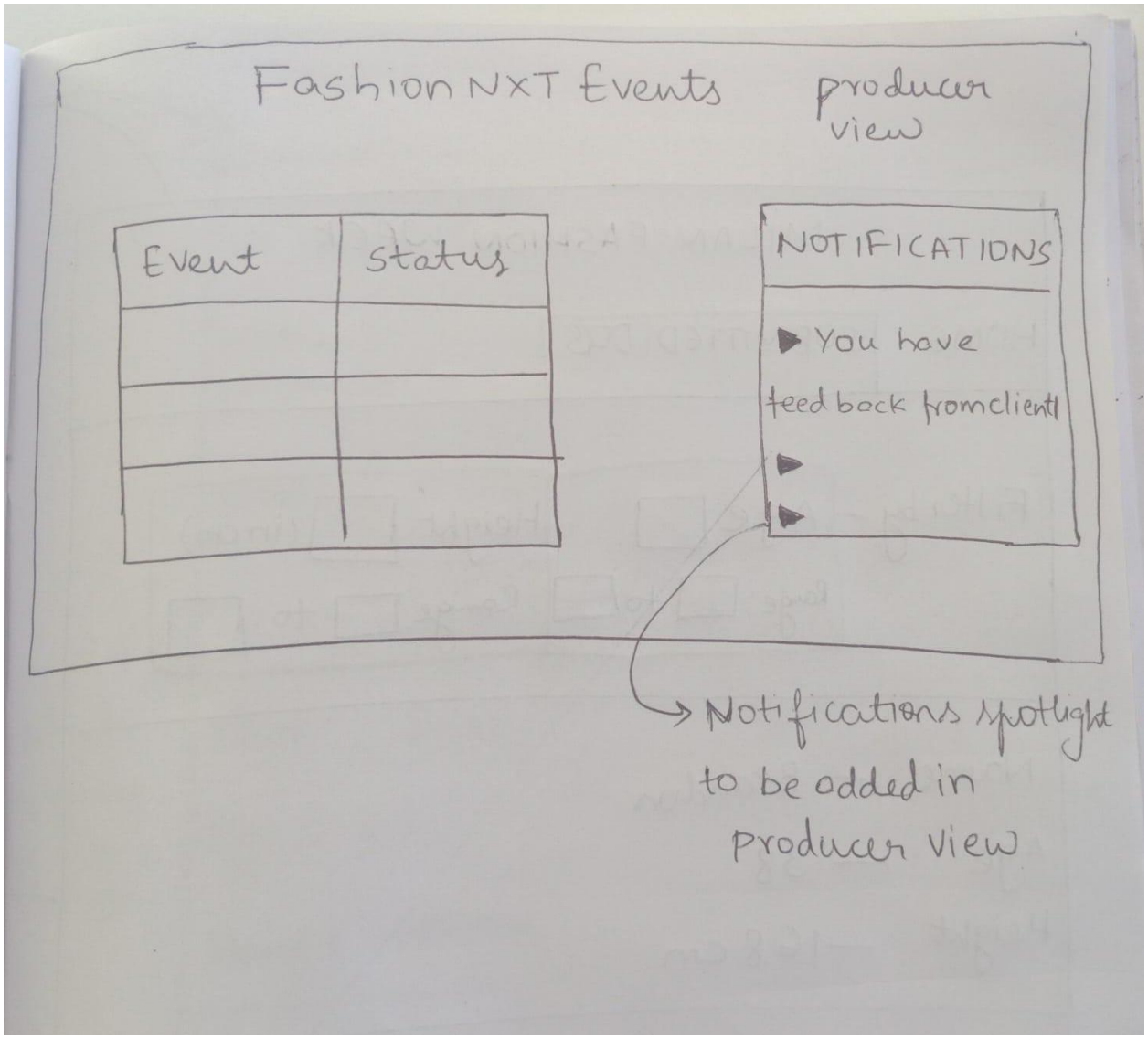
4. **Feature: Sign up email verification**

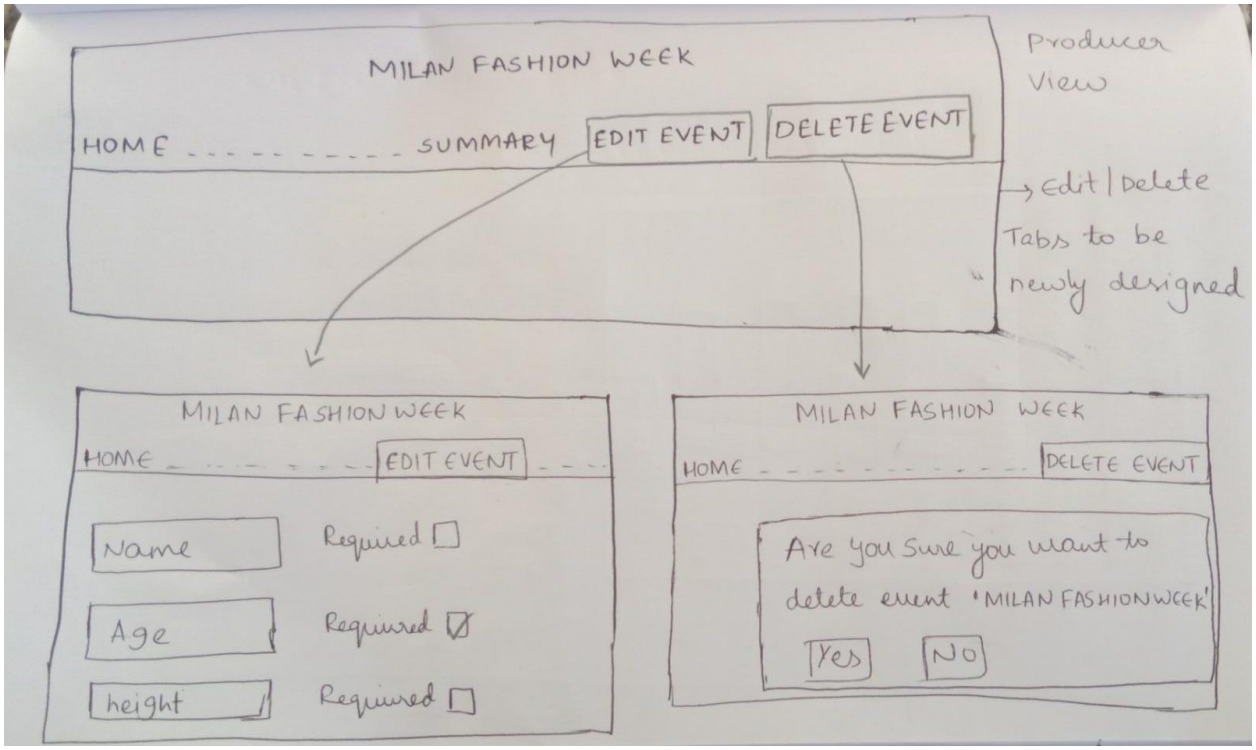
   As a producer
   I want to add an option of signing up through Gmail
   So that the email IDs can be verified as extra security measure before signing up

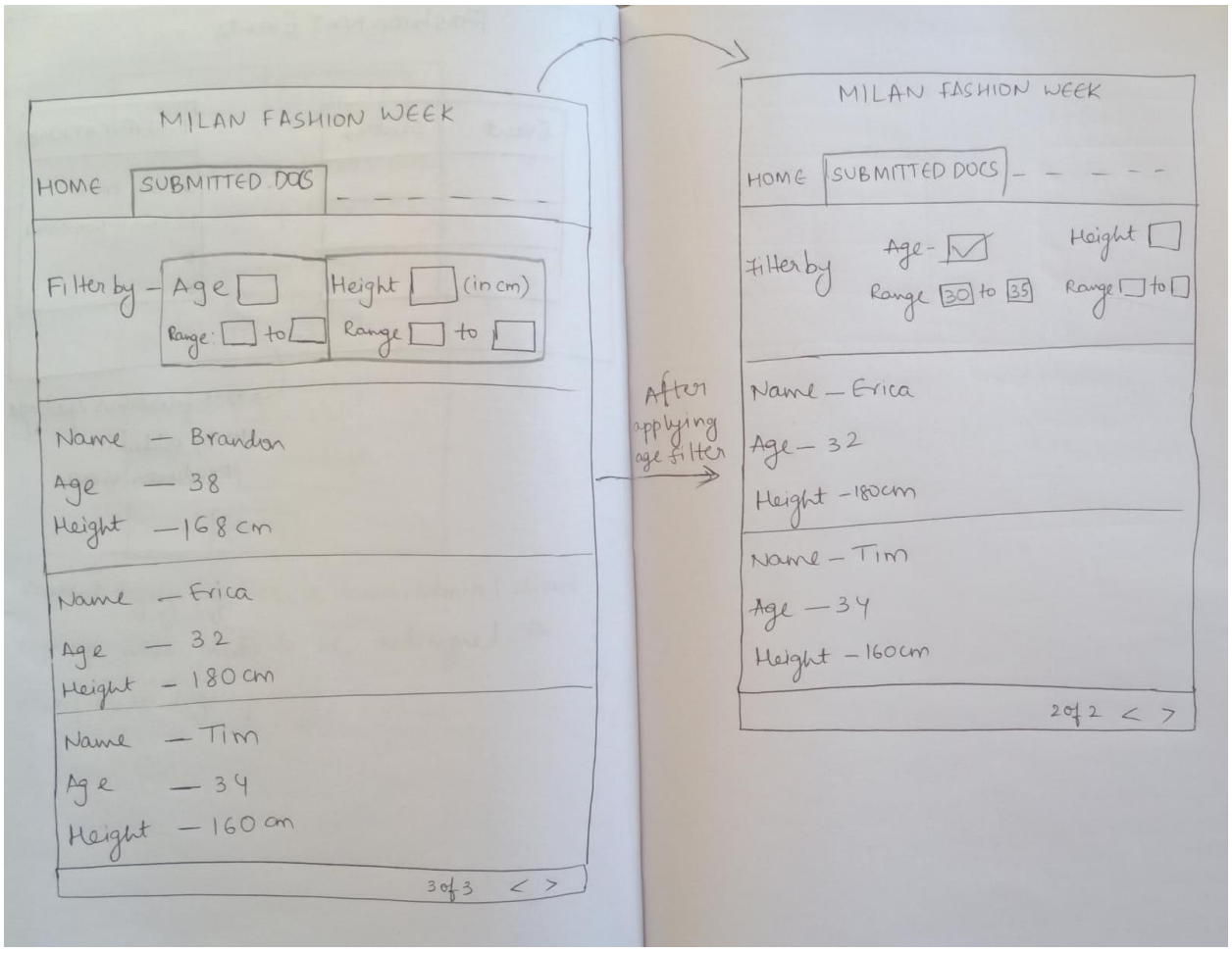
5. **Chore:** Setting up the infrastructure and running the previous web app on a local server and testing various features and functionalities developed by the previous teams.

6. **Chore:** Debugging the app, discovering the bugs and trying to look at various improvements to be added to the web app.

User Interface/Mockups :




MILAN FASHION WEEK
HOME
SUMMARY
EDIT EVENT
DELETE EVENT
Producer View
→ Edit | Delete
Tabs to be newly designed
MILAN FASHION WEEK
HOME
EDIT EVENT
Name
Required
Age
Required
height
Required
MILAN FASHION WEEK
HOME
DELETE EVENT
Are you Sure you want to delete event 'MILAN FASHION WEEK'
Yes
NO


MILAN FASHION WEEK
HOME
SUBMITTED DOCS
Filter by –
Age
Range to
Height (in cm)
Range to
Name — Brandon
Age — 38
Height — 168 cm
Name — Erica
Age — 32
Height — 180 cm
Name — Tim
Age — 34
Height — 160 cm
3 of 3 < >
After applying age filter
MILAN FASHION WEEK
HOME
SUBMITTED DOCS
Filter by
Age -
Range 30 to 35
Height
Range to
Name — Erica
Age — 32
Height — 180cm
Name — Tim
Age — 34
Height — 160cm
2 of 2 < >

Improvement to the Legacy Application :

Learning strategy:
The project as of now has gone through two iterations, making learning what was done in the past an important part of understanding what needs to be done next. This is where we have been in touch with both the clients and previous team. Parallely we have started debugging the code on our local machines to understand the tests and the code.

We have also seen some of the challenges with regards to AWS integration the previous team faced, and are trying to understand the problem in detail. This will help us understand how we can solve the issues that were seen in the past.

Strategy to improve prior code:
One of the flaws with regards to the CastNXT app is the creation of a normal signup flow, which has caused unnecessary need for security testing which can be avoided by implementing Google Authentication. Not only would we be able to simplify some of the complex code present in our backend, but also provide a more reliable and trustworthy login experience using Google Authentication.

It has come to our attention that the database would need some more enhancement. Currently an event doesn't have any meta-data associated with it. This poses the following problems:

1. Since multiple events can be present at the same time, we need to enhance our database schema by having metadata with regards to the date, time and location of the fashion event. This will give models more options to prioritize certain events over others.
2. The same meta-data can't be used for advertising events as not enough information that can come handy for advertising is not present in our database yet.
3. We also plan to treat every event as a RESTful source, i.e, having GET urls for forms of our events. This way we should be able to provide various entry-points not just our website.

We have also realized that some of our proposed refactoring will need through testing and proper unit test coverage. This way we will be able to maintain our code at high coverage, ensuring proper integration testing and code quality.

Github link : https://github.com/tamu-edu-students/CASTNXT

Pivotal Tracker link : https://www.pivotaltracker.com/n/projects/2599656

Slack channel link : https://tamu.slack.com/archives/C0437C0FNK0