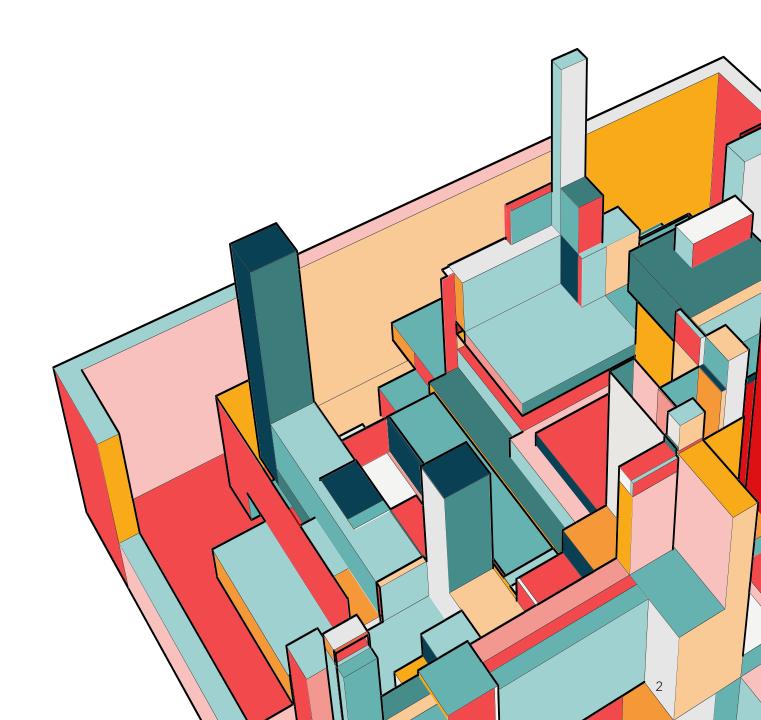


INTRODUCTION

Create a full stack application for a newly opening cinema using a SpringBoot base and a sleek user-friendly web interface

- Dan Harrison Scrum Master
- Andy Pimlott Film Architect
- Shai Lynch The hero we didn't know we needed
- Onur Hassan The underdog



MVP

Pages

The application needs to have a plethora of pages including but not limited to; Home, About, Films, Screens, Getting here, and Discussion Board.

Logo

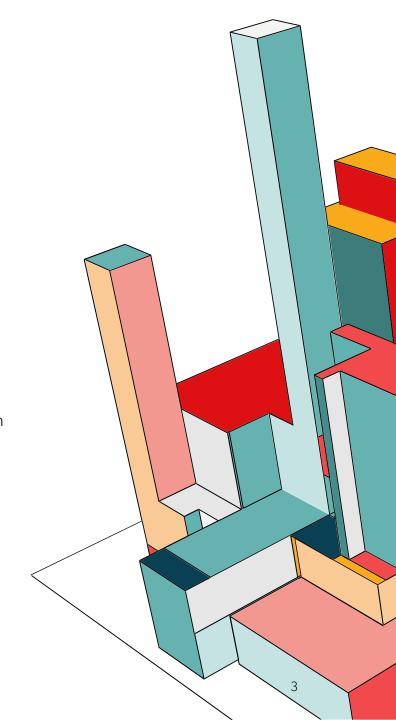
A custom logo should be used for the site, and to give the new Cinema some brand identity, this should be present on at least, the home page.

Navigation

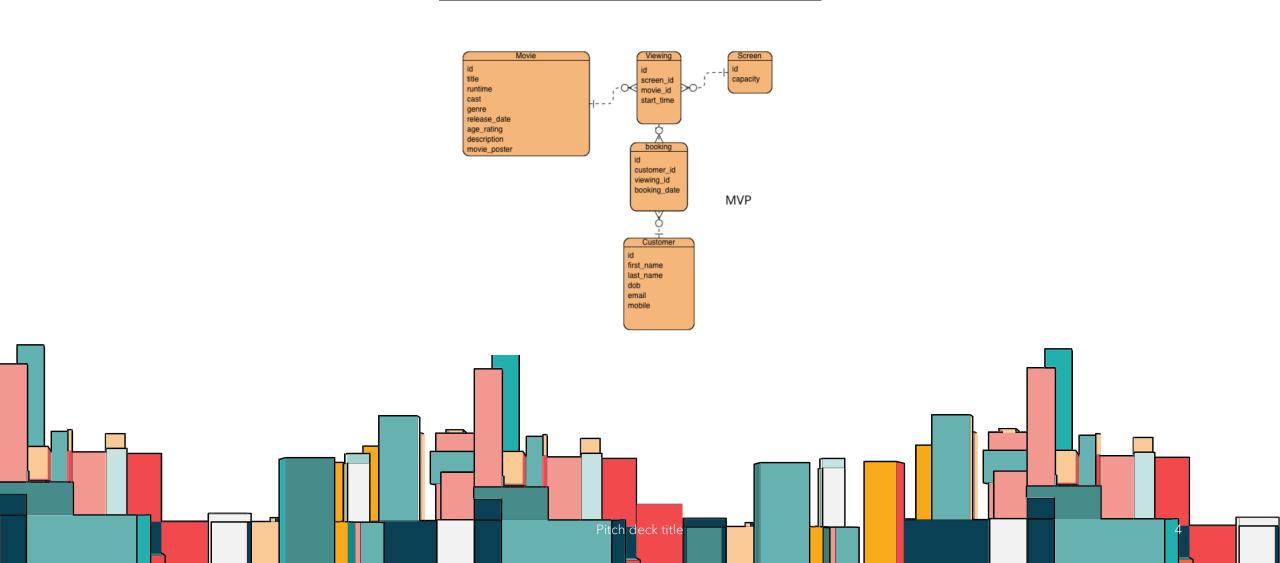
All pages need to be easily accessible through the main site navigation, which is present and the same, on all pages.

Functionality

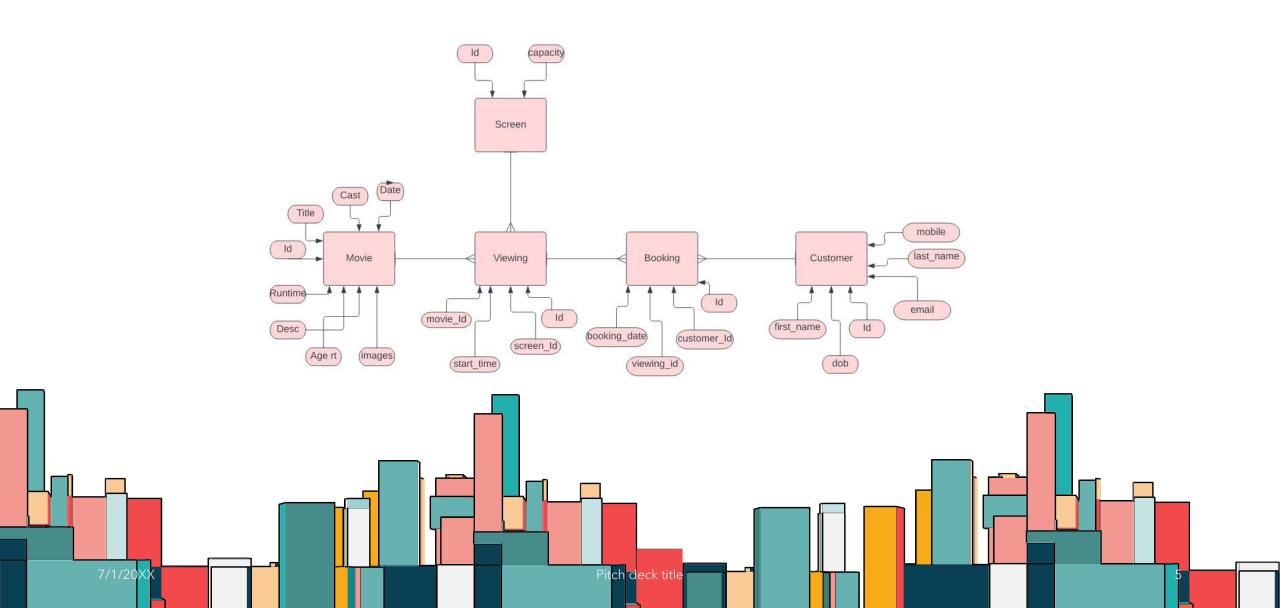
All pages which the customer will interact with need to have the expected functionality. E.G., being able to book tickets, or add comments to discussion board



DOCUMENTATION - ERD



DOCUMENTATION - UML



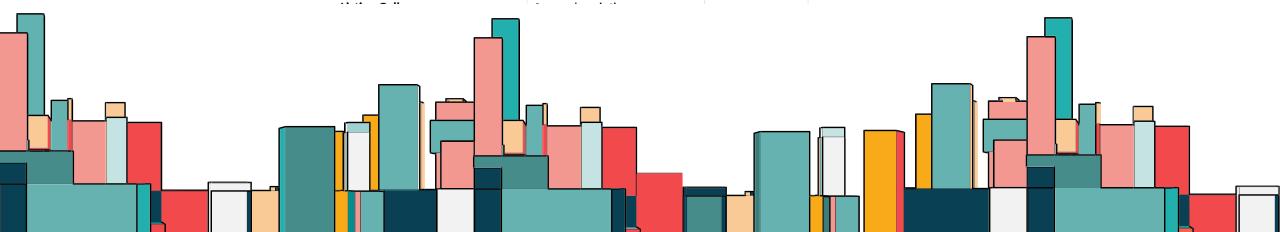
DOCUMENTATION - RISK ASSESSMENT

	Risk	Statement	Response	Objective	Likelihood	Impact	Risk Level			Minimal	Minor
1	Strain injuries	Working for too long may induce strain injury	Get up and move around every now and again	Maintain a reasonable level of comfort while working	Expected	Minimal	4		Guaranteed	5	10
2	Spillage on Laptop	Spillages or dropping crumbs on a laptop can cause it to stop functioning correctly	surface and all food and drink are kept well away from the work area	By having to leave the work desk for food and drink breaks can keep the area tidy as well as helping with reducing strain injuries, but most importantly, stops any accidental damage to the laptop	Possible	Major	8		Expected	4	8
3	Electrocution	Faulty wires or plugs not correctly used can cause shocks or electrocute someone if they touch those areas	pushed in to their	Electrocutions can be fatal, so making sure everything is in good working order, especially wires, and have been correctly used will help reduce exposure to metallic components		Severe	15	LIKELIHOOD	Likely	3	6



DOCUMENTATION - MOSCOW

Must	Should	Could	Won't
Be generally attractive The page shall be the default for the entire site Starting from the home page, site users may navigate to other areas of the site The site should have a picture or graphic evocative of the movies or the cinema on it Communicate to the viewer the purpose of the site	Header and footer Each page of the site contains a uniform header and footer, both with links to commonly accessed pages. • The footer appears identically on all pages of the site. • The footer links to the Home Page • The footer links to the About Us • The footer links to the Contact Page	Manage booking functionality - customers	Automatic discounts



DESIGN – WIREFRAMES

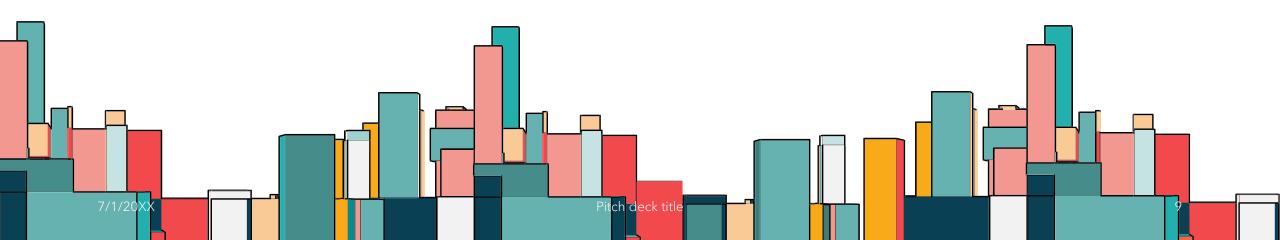


SCRUMS/SPRINTS

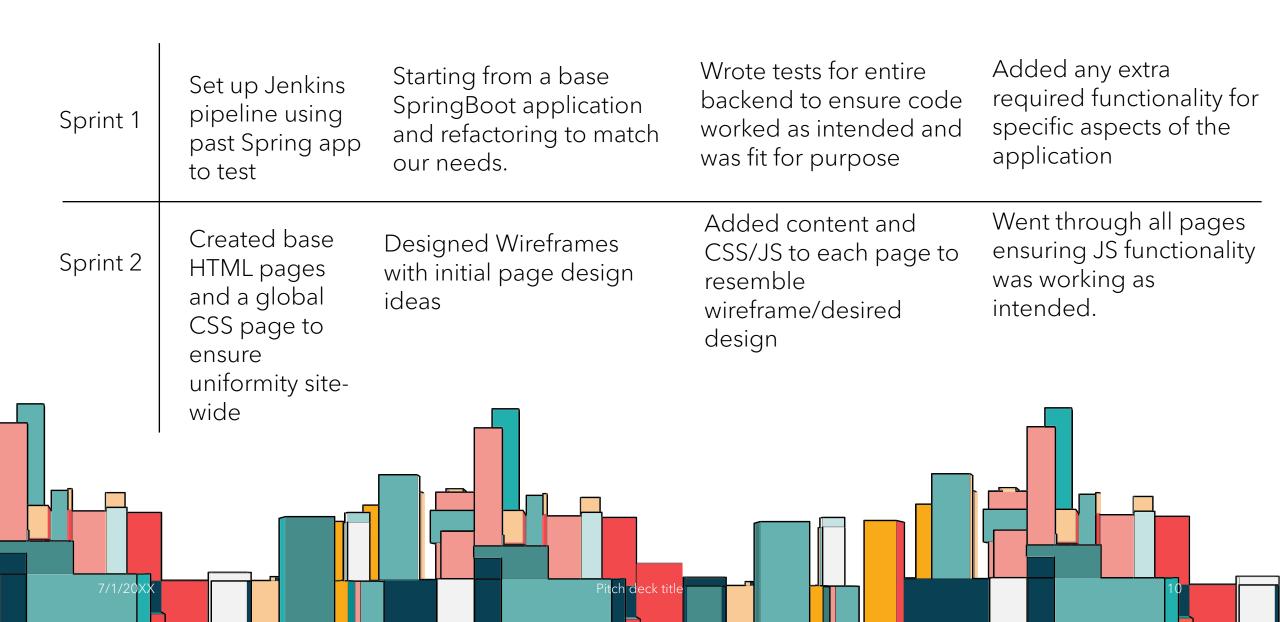
Daily stand-ups at 9am were used to organise the work-day and ensure there was no confusion or overlap with tasks

Two main sprints, first sprint was back-end focused, second was the front-end focused sprint. Focusing the groups efforts on 1 aspect of the application

End-of-day catch up, to update how far along we are on the project, and give an initial plan for the following day



DEVELOPMENT PROCESS



JENKINS PIPELINE

Build History

8 Sep 2022, 15:04

8 Sep 2022, 14:48

8 Sep 2022, 10:29

8 Sep 2022, 08:50

8 Sep 2022, 08:34

8 Sep 2022, 08:28

7 Sep 2022, 17:11

7 Sep 2022, 17:01

7 Sep 2022, 16:48

7 Sep 2022, 16:43

7 Sep 2022, 16:39

7 Sep 2022, 16:14

7 Sep 2022, 16:00

Q Filter builds...

(≇ #43

⊗ #42

⊘ #41

⊗ <u>#40</u>

⊗ <u>#38</u>

⊗ <u>#37</u>

⊗ <u>#36</u>

⊗ <u>#35</u>

⊗ <u>#34</u>

⊗ <u>#33</u>

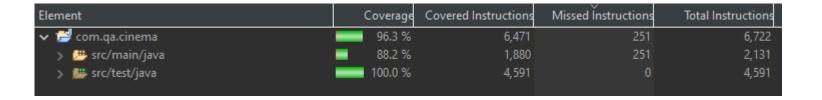
trend ∨

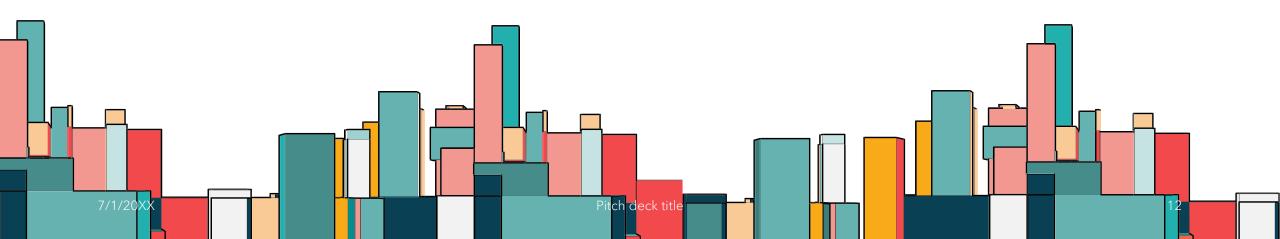




TESTING - COVERAGE

Aimed for industry standard 80% coverage overall, however ended up with closer to 90% at the end of the project.





TESTING - CODE

```
@Test
public void createBookingForm_validForm_SaveForm() {
    Booking validBooking = new Booking(1L, 1L, "31-08-22", 1L);

    Booking saveBooking = new Booking(1L, "31-08-22", 1L);

    Mockito.when(this.service.addBooking(saveBooking)).thenReturn(validBooking);
    assertEquals(validBooking, this.service.addBooking(saveBooking));
    Mockito.verify(this.repo, Mockito.times(1)).save(saveBooking);
}
```



PROBLEMS AND SOLUTIONS

Onur - GIT

Dan - Jenkins

Andy - JS/CSS

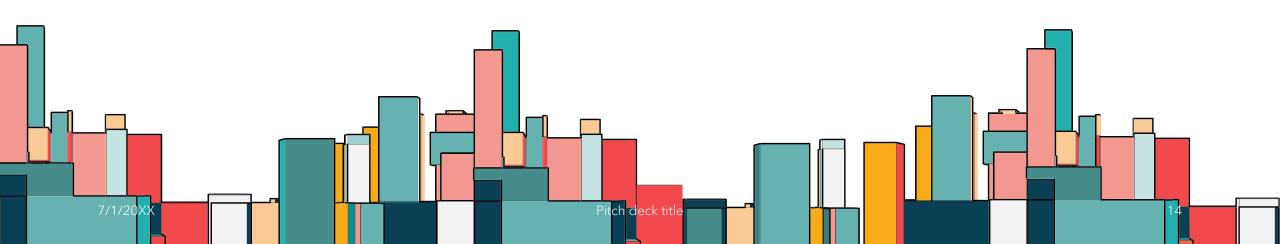
Shai - GIT

Git → Remember to keep local repo up to date before attempting a push

Jenkins → Double check jenkinsfile syntax and Linux file permissions

JS/CSS → Ensure functions are pointing to the correct classes when using DOM manipulation

Git → Consistent pulls and not forcing pushes



A LOVELY DEMO

We're going to show off our product now, how lucky are you guys ?!?!

REFLECTION AND LOOKING FORWARD

Working with a team

Group GitHub

Confidence in diving into a new project

Using Scrum

Realisation of learning

