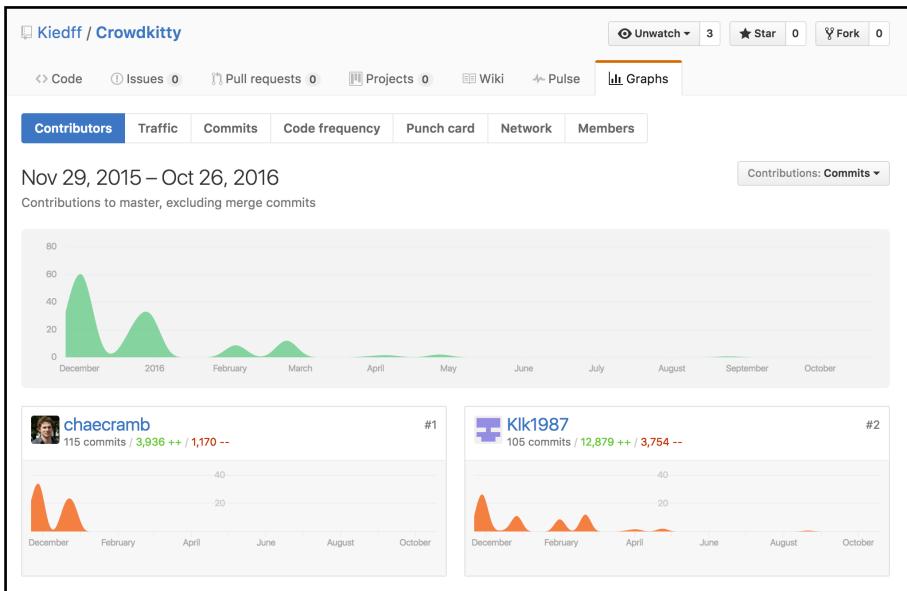


Kathryn Kiernan - Project Unit (SQA PDA: Software Development)

P a. Group project - CrowdKitty



P b. Project Brief - Provided by Instructors

Project 2 - Group Project

Project Brief

Design and build an app that lets users create a "project" description that needs funding. The project has a funding target which is all-or-nothing - if the target amount is not reached by the end date, nobody pays and no more pledges are allowed. If the target amount has been reached the project is a success, and backers should be notified that they need to pay their commitment.

✓ 3/3

Administrative users should be able to suspend a project if it breaches the terms and intentions of Punchfinisher. They should also be able to manage all the categorisation labels and configuration of time limit choices, etc.

✓ 2/2

Extra features could include the ability for users to comment on a project to show their support (or not!) of its intention. It would be ideal to allow users to sign in with Facebook/Twitter/Google to increase take-up.

✓ 2/2

Add a card...

P c. Trello board

Column	Task	Status
Must	Register an account	0/3
	Login/Logout	0/1
	Create project	0/6
	Users should be able:	0/6
	Make pledge	1/10
	set up views/controller actions	1/8
	assign default roles to users	0/8
	Filter project by category	1/3
	Timer on project	0/3
	Add a card...	
Should	View most popular projects	0/3
	Search projects	0/3
	Drop down filter	0/3
	form validations	0/3
	prevent owner editing project after start date	0/3
	hide days remaining until project starts	0/3
	prevent users pledging before a project starts	0/3
	only show active projects in projects lists	0/3
	Comments on projects	0/3
	Add a card...	
Could	Make/create location page	0/3
	Multiple categories	0/3
	Distance from you	0/3
	Add other admins to project	0/3
	Paypal connection	0/3
	Improve notifications	0/3
	Social login	0/3
	Target bar	0/3
	Notifications on success of project	0/3
	Add a card...	
Would	pay keith his 33p so he doesn't cut us out of the profit at a later date	1/1
	Email updates from project directors	0/3
	Video	0/3
	Activity feed/news	0/3
	PROFIT!	0/3
	Add a card...	
	Comments on projects	0/3
	Notifications on success of project	0/3
	Target bar	0/3
	Add a card...	

Project 2 - Group Project

... Show Menu

Would

- pay keith his 33p so he doesn't cut us out of the profit at a later date
- Email updates from project directors
- Video
- Activity feed/news
- PROFIT!
- Add a card...

Completed

- View most popular projects
- Register an account
- Login/Logout
- Create project
- Users should be able:
- Search projects
- Make pledge
- Drop down filter
- form validations
- Add a card...

Demo Additions

- Javascript-auto refresh activity feed
- Javascript - reload for pledge
- Geolocation
- Gamify - reward badges/ kitty titles
- Social sharing
- Multi-image upload for project gallery
- Add a card...

Bugs/problems

- Homepage borked in Mozilla
- AWS s3 Images wouldn't load over https but were fine over http
- Add a card...

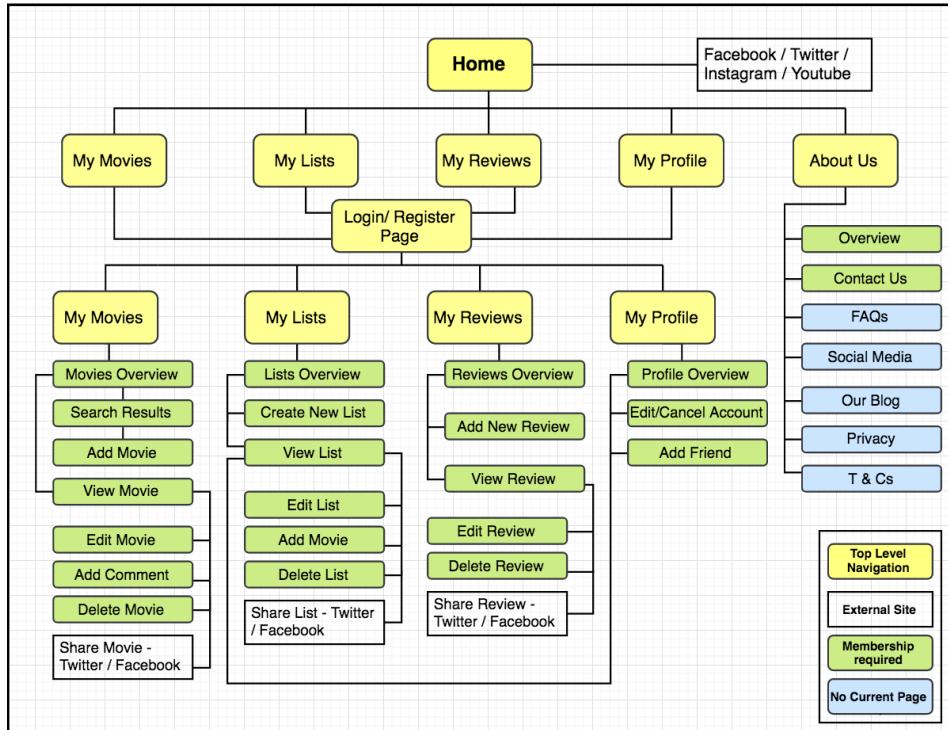
Required Models

- Categories
- Users
- Pledge
- Projects
- Pictures
- Rewards
- Add a card...

P d. Acceptance Criteria

Acceptance Criteria	Expected Result/Output	Pass / Fail
A user is able to search for a particular film by a keyword or title		
A user is able to add films to a list		
A user can see a list of reviews that they have written		
A user can save a movie from the displayed search results		

P e. Site Map



P f. (i) Wireframe

The wireframe shows a browser window with a title bar and a navigation bar. The main content area is titled 'Must See' and contains a heading and some placeholder text. Below this are four boxes, each labeled 'Heading 3' and containing placeholder text. A large block of placeholder text follows. At the bottom are three boxes, each with a movie icon and the word 'Link'.

Must See

My Movies | My Lists | My Reviews | Social Media Links Here | My Profile | Logout

Must See

Lore ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Heading 3
Lorem ipsum dolor sit amet, consectetur

Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Link
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Link
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P f. (ii) Wireframe

The wireframe shows a browser window with a title bar and a navigation bar. The main content area is titled 'My Movies' and contains a search bar. Below this is a heading 'All Movies' and a grid of movie cards. Each card has a movie icon and placeholder text.

Must See

My Movies | My Lists | My Reviews | Social Media Links Here | My Profile | Logout

My Movies

Search Movies

All Movies

Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

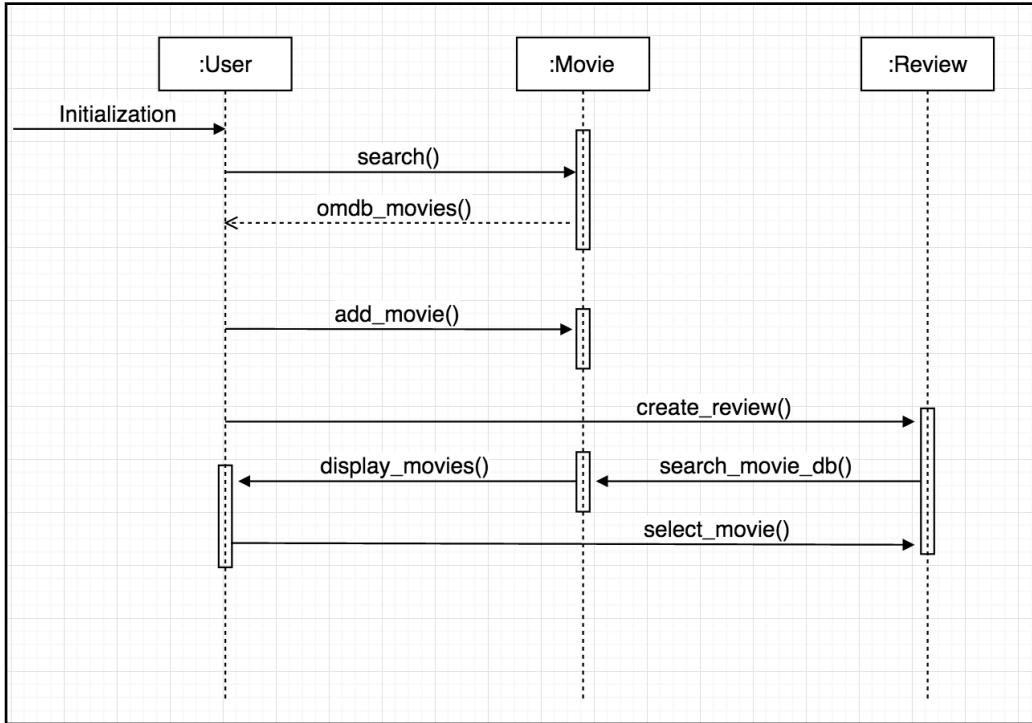
Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

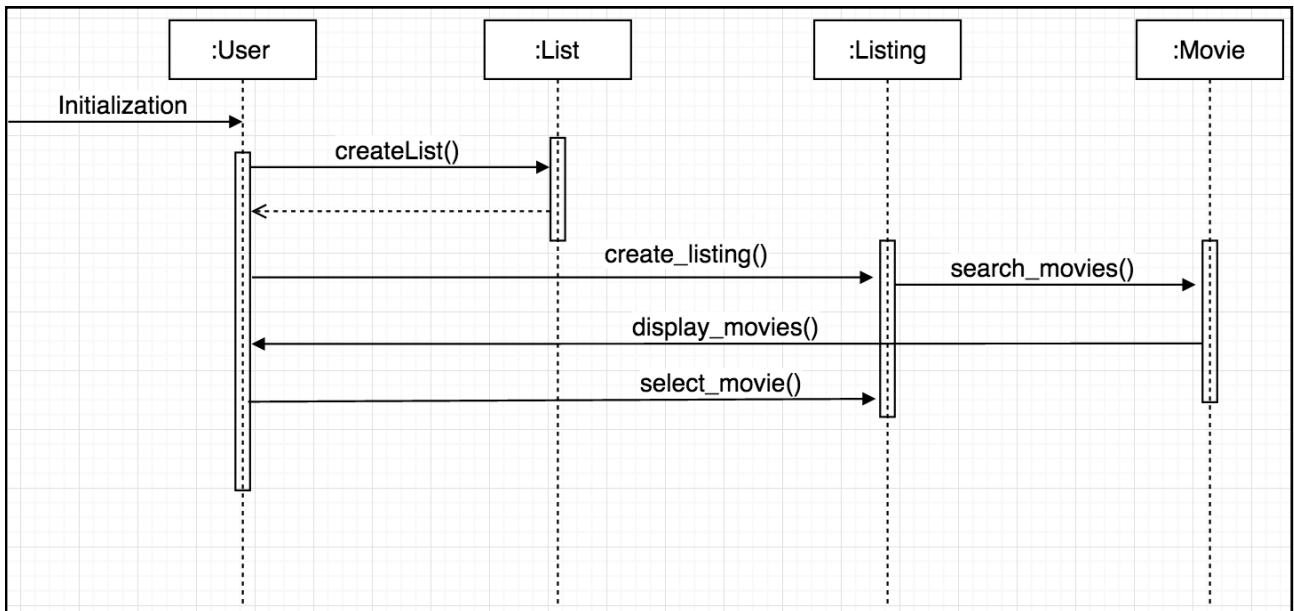
Link
Lorem ipsum dolor sit amet, consectetur adipisicing elit. sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

P g. System Interaction Diagrams

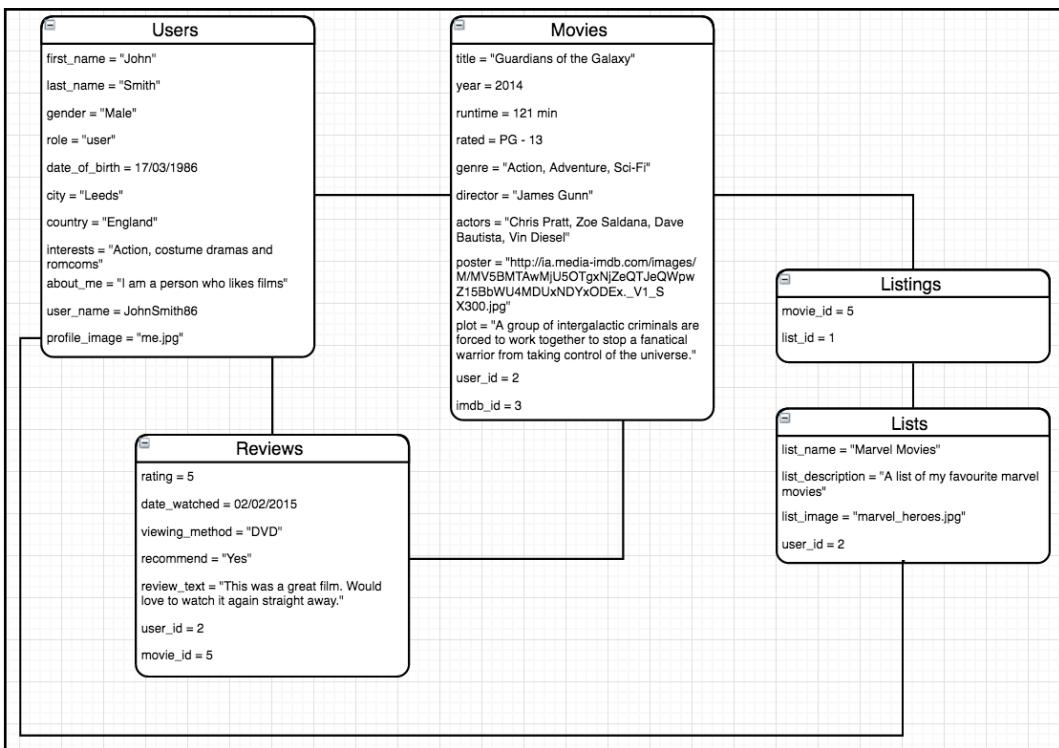
(i) Sequence Diagram



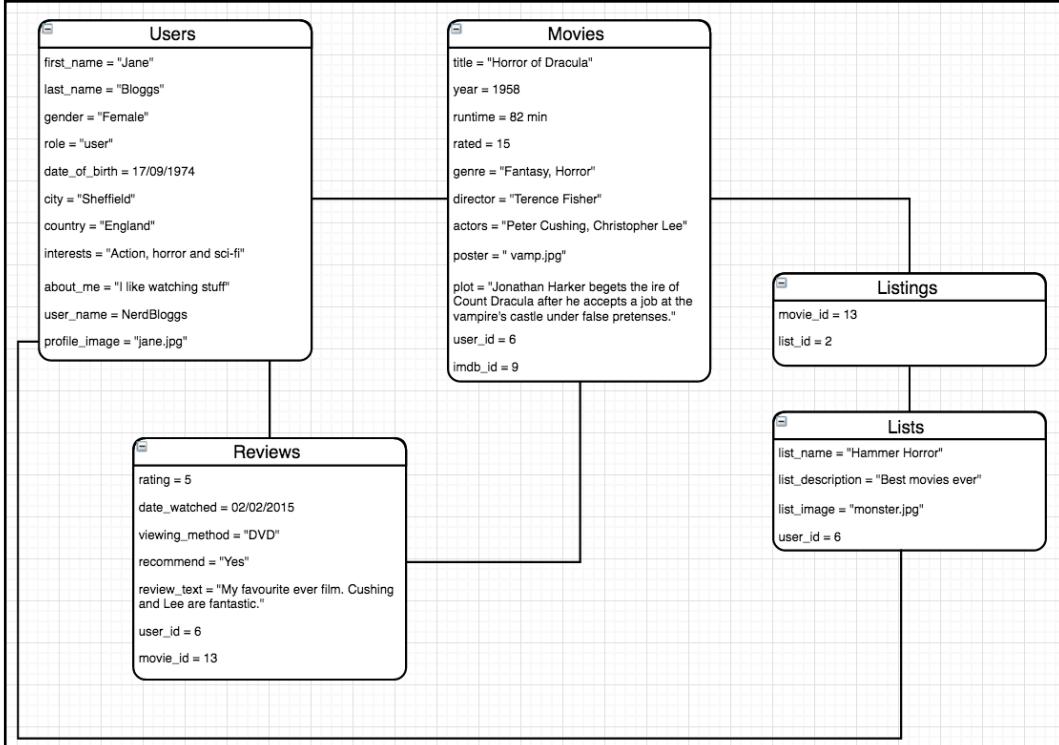
(ii) Sequence Diagram



P h. (i) Object Diagram



P h. (ii) Object Diagram



P i. Algorithms

Attack Algorithm - For a homework, I created a fantasy game that required an algorithm that attacked and damaged a hero by a particular amount based on the age and weapon used by the villain completing the attack. The best way to do this was use an algorithm that multiplied the villain's age by a hard coded value and then added this to the damage that a weapon could inflict. This value was then returned and subtracted from the hero's health based on the result of another algorithm, which decides if the hero can block the attack or not.

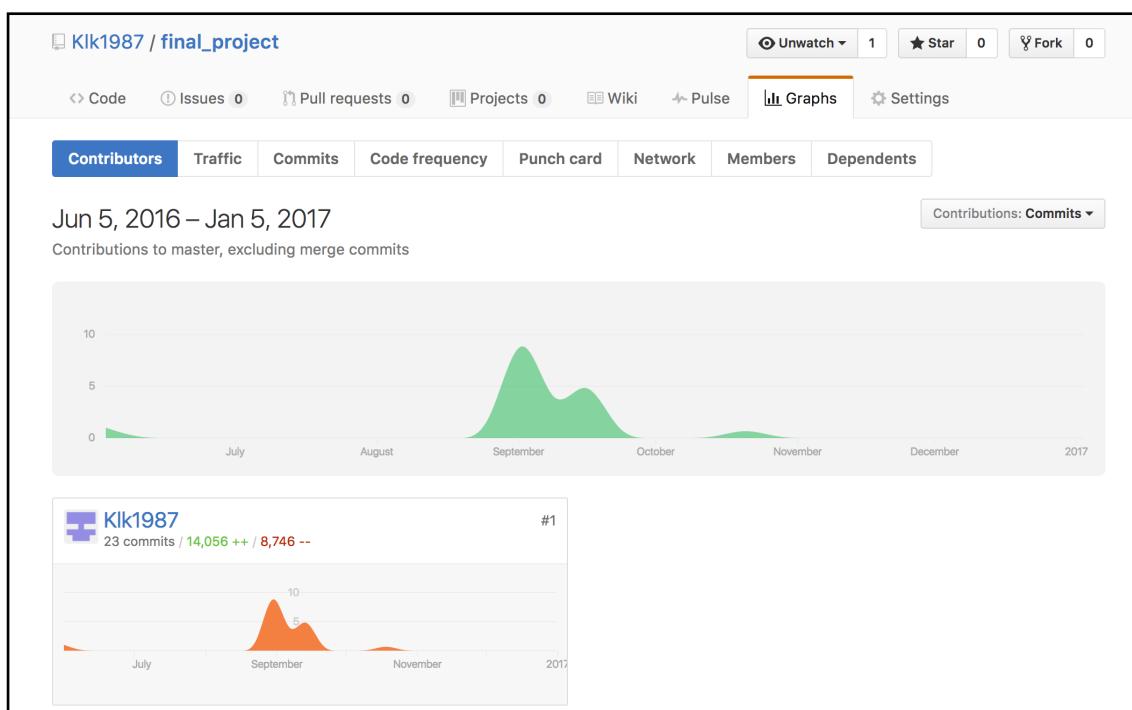
Block Algorithm - In the same homework, I had a block algorithm that allowed the hero to block an attack. To ensure that the game had an element of development rather than the hero blocking every time, the block algorithm checked the health status of the hero. If this was above a certain amount, a separate function was invoked where the health damage of the attack was reduced by multiplying the damage by a decimal number under the value of 1. This total of this was then subtracted from the hero's health. If the hero's health was below a certain amount then the full value of the damage was subtracted from the hero's health.

P j. Pseudocode

```
it('should damage the hero with an attack', function(){
    // for each attack it should use a weapon, villain and hero
    // an example of a weapon to test
    // an example of a villain to test
    // an example of a hero to test
    // the villain should attack the selected hero
    // the canBlock function decides the level of damage inflicted on the hero by the villain
    // the result of the attack should be the reduction of the hero's health
})
```

P k. Solo project with Github link

https://github.com/Klk1987/final_project



P I. Planning stages

Stage 1 -

Project 3- Good reads for films ☆ Private

MVP - Must

- login/logout
- Create a profile 4/27
- Rate/review films 0/18
- Rate/review films 5/18
- Create lists
- search for a film

Should

- assign default roles to users for authorisation purposes
- Share on social media their reviewed films
- javascript - reload page (ajax)
- Create "shelves" or lists for film collections - defaults to watch and watched

Would

- comments on reviews
- form validations
- view most popular films
- search/filter films by genre

Could

- director/actor search
- Embedded videos
- Recommendations

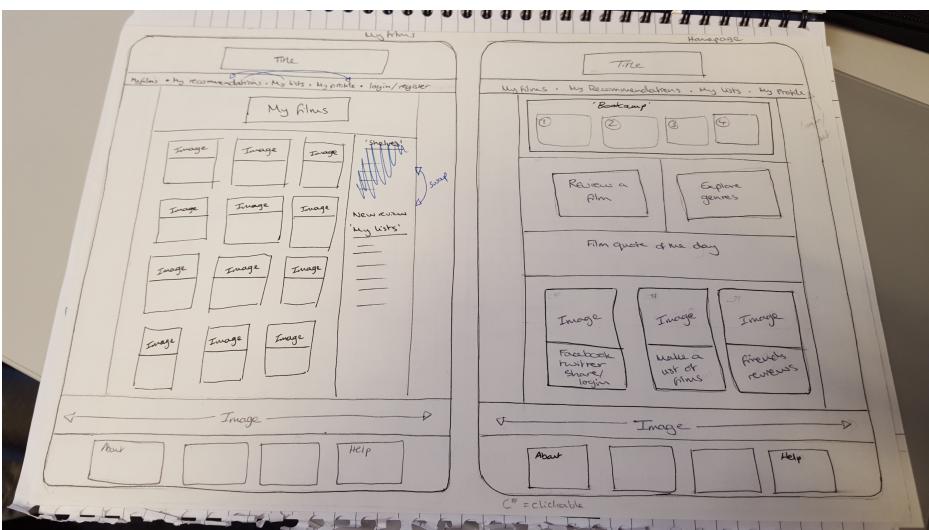
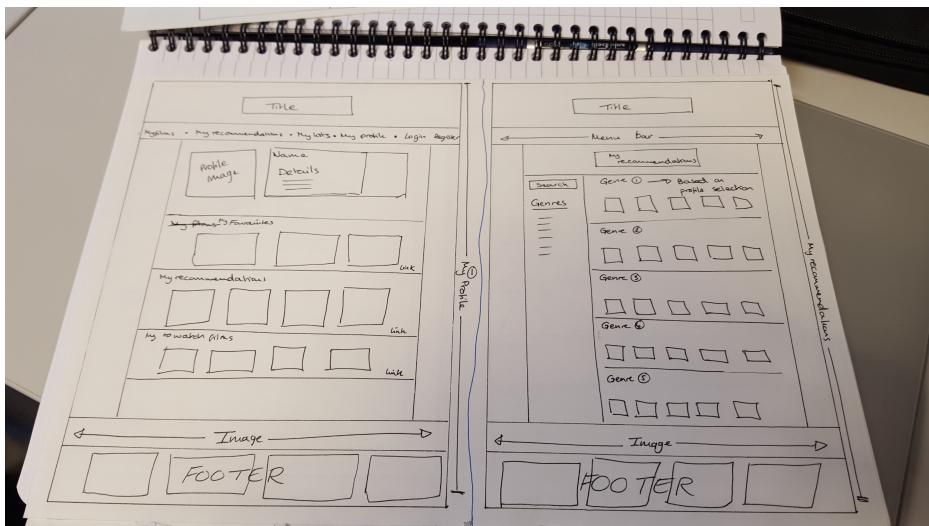
APIs/ Gems to use

- the movie database

Add a card...

Add a card...

Show Menu



Stage 2 -

Project 3- Good reads for films

Private

MVP - Must

- login/logout
- Create a profile 4/27
- Rate/review films 0/18
- Rate/review films 5/18
- Create lists
- search for a film

Should

- assign default roles to users for authorisation purposes
- Share on social media their reviewed films
- javascript - reload page (ajax)
- Create "shelves" or lists for film collections - defaults to watch and watched

Would

- comments on reviews
- view reviews from other people on film
- form validations
- view most popular films
- search/filter films by genre
- calculate average rating based on stars

Could

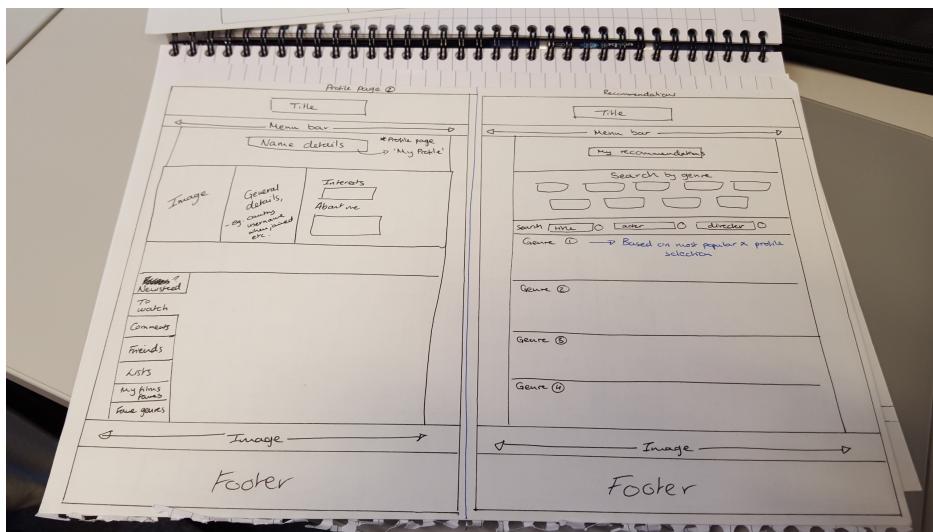
- director/actor search
- Embedded videos
- Recommendations

Add a card...

APIs/ Gems to use

- bourbon, refills, neat
- the movie database
- rmagick and carrierwave
- social-share-button

Add a card...



P m. User Input Processed to Design Requirements: Create a Review.
Should complete the following:

MY MOVIES MY REVIEWS MY LISTS Logout

My Reviews

When a film is amazing or truly terrible it can be memorable. But why exactly? Writing a review on Must See is your own record of your thoughts and experiences of a movie. Once you have added a movie, you can write a review that includes a recommendation, description and a star rating.

Home > My Reviews

Star Wars: Episode IV - A New Hope **Captain America: The Winter Soldier**

★★★☆☆ ★★★★★

Recommend: No	Recommend: Yes
Viewing Date: 19 November 2016	Viewing Date: 17 September 2016
Viewing Method: Cinema	Viewing Method: DVD

Write a New Review

- Redirect to the create review form page
- Allow User to input relevant data
- Save the data and redirect to the review show page
- The new review should appear in the review overview page

Create a New Review

When writing a review, forget about keeping it spoiler free! Include as much descriptive detail about why you loved or hated the movie. Who was a great actor? Who gave a shoddy performance? Record as much detail as possible and it will not only help you remember how you felt about the movie, but also help you choose your next film to view!

Movie	<input type="text" value="Horror of Dracula"/>
Rating	<input type="text" value="4"/>
Date watched	<input type="text" value="16/11/2016"/>
Viewing method	<input type="text" value="DVD"/>
Recommend	<input type="text" value="Yes"/>
Review text	<input type="text" value="This is such a classic. Peter Cushing and Christopher Lee are excellent..."/>

[Home](#) > [My Reviews](#) > Horror of Dracula

[Edit This Review](#)
[Delete This Review](#)

Horror of Dracula



Jonathan Harker begets the ire of Count Dracula after he accepts a job at the vampire's castle under false pretenses.

Genre(s): Fantasy, Horror

Director: Terence Fisher

Year of Release: 1958

Runtime: 82 min

Rating: APPROVED

Actors: Peter Cushing, Christopher Lee, Michael Gough, Melissa Stribling

You can then share it with your friends on your websites, including Twitter and Facebook.

My Review

This is such a classic. Peter Cushing and Christopher Lee are excellent...

Viewing Date:

16 November 2016

Viewing Method:

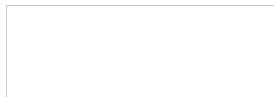
DVD

Would you recommend this film?:

Yes

My Reviews

When a film is amazing or truly terrible it can be memorable. But why exactly? Writing a review on Must See is your own record of your thoughts and experiences of a movie. Once you have added a movie, you can write a review that includes a recommendation, description and a star rating.

[Home](#) > [My Reviews](#)
[Write a New Review](#)


Horror of Dracula



Recommend: Yes
Viewing Date: 16 November 2016
Viewing Method: DVD

Star Wars: Episode IV - A New Hope



Recommend: No
Viewing Date: 19 November 2016
Viewing Method: Cinema

Captain America: The Winter Soldier



Recommend: Yes
Viewing Date: 17 September 2016
Viewing Method: DVD

P n. Interaction with data persistence

The screenshot shows a mobile application interface for managing movie lists. At the top, there are three navigation tabs: 'MOVIES', 'MY REVIEWS', and 'MY LISTS'. The 'MY LISTS' tab is active, showing a list titled 'Favourites List'. A sub-header below it reads 'This is a list of my favourite films'. To the right of the title is an image of two buckets of popcorn. Below the title are three green buttons: 'Add a New Movie', 'Edit List Details', and 'Delete List'. The main area is titled 'List Details' and contains three input fields labeled 'Title', 'Date', and 'Genre', each with a placeholder text line.

The screenshot shows a modal dialog box titled 'Add a New Movie to Your List'. It has a dropdown menu labeled 'Movie' containing a list of movies. The movie 'Star Wars: Episode IV - A New Hope' is selected, indicated by a blue highlight and a checked checkbox. Other movies listed include Thor, Captain America: The Winter Soldier, From Hell, Guardians of the Galaxy, Horror of Dracula, Suicide Squad, Superman vs. Batman: When Heroes Collide, and Batman v Superman: Dawn of Justice.

The screenshot shows the 'Favourites List' screen again. The 'Favourites List' title and its description are visible at the top. Below them is the 'List Details' section with 'Title', 'Date', and 'Genre' fields. A movie entry for 'Star Wars: Episode IV - A New Hope' is listed, showing its release year (1977) and genre (Action, Adventure, Fantasy). There is also a small thumbnail image of the movie poster and a 'Delete' button next to the entry.

P o. API usage in program

```
class Movie < ActiveRecord::Base
  has_many :reviews
  has_many :listings
  has_many :lists, through: :listings
  has_many :moviecomments, dependent: :destroy

  def self.from_imdb_id(imdb_id)
    result = OMDB.id(imdb_id)
    new(
      imdb_id: result[:imdb_id],
      title: result[:title],
      year: result[:year],
      runtime: result[:runtime],
      rated: result[:rated],
      genre: result[:genre],
      director: result[:director],
      plot: result[:plot],
      actors: result[:actors],
      poster: result[:poster]
    )
  end

  def self.search(term)
    search_results = OMDB.search(term)
    results_list = search_results.map do |result|
      Movie.new(imdb_id: result[:imdb_id],
                title: result[:title],
                year: result[:year],
                poster: result[:poster])
    end
    results_list
  end
end
```

P p. Output results and feedback to user

The screenshot shows a web application interface for managing movies. At the top, there are navigation links: 'MOVIES', 'MY REVIEWS', and 'MY LISTS'. On the right side of the header are social media sharing icons for YouTube, Instagram, Facebook, and Twitter.

The main content area features a red curtain background with a central white box containing the heading 'My Movies'. Below this, a descriptive message encourages users to type a word or name into the search bar to find films on IMDB.

A search bar contains the text 'independence'. To its right is a green 'Search' button.

The results section is titled 'Movies Found' and displays two movie entries:

- Independence Day** (1996) - Movie poster, 'Movie Details' button, 'Add Movie' button.
- Independence Day: Resurgence** (2016) - Movie poster, 'Movie Details' button, 'Add Movie' button.

P q. Bug tracking report

Movie is added to a single user database and not all	Failed	Save a movie using user_id to identify user	Passed
New list cannot be saved without a list name and description	Failed	Added validations to stop a list being created without a list name and description	Passed
Listings from a list are deleted when the list is deleted	Failed	Destroy all listings validation added to lists controller	Passed
Redirect to the show movie page once movie has been added	Failed	Redirect to show page added to movies controller	Passed

P r. Use of testing in program

```

1 var assert = require('chai').assert;
2 var Monster = require('../monster');
3 var Turn = require('../turn');
4 var Player = require('../player');
5 var Game = require('../game');
6
7 describe('game', function(){
8
9   it('should create a new game with an empty array of players', function(){
10     var game1 = new Game();
11     assert.deepEqual([], game1.gamePlayers);
12   });
13
14   it('should create a new game with an array of one player', function(){
15     var game1 = new Game();
16     var player1 = new Player();
17     game1.makePlayers(player1);
18     assert.equal(1, game1.gamePlayers.length);
19   });
20
21   it('should create a new game with an array of more than one player', function(){
22     var game1 = new Game();
23     var player1 = new Player();
24     var player2 = new Player();
25     var player3 = new Player();
26     game1.makePlayers(player1);
27     game1.makePlayers(player2);
28     game1.makePlayers(player3);
29     assert.equal(3, game1.gamePlayers.length);
30   });
31
32 });

```

```

→ king_of_tokyo mocha specs

game
  ✓ should create a new game with an empty array of players
  ✓ should create a new game with an array of one player
  ✓ should create a new game with an array of more than one player
  ✓ should create a new game with an array with a maximum of 6 players
  ✓ should create a new game with an array of one monster
  ✓ should create a new game with an array of more than one monster
  ✓ should assign a monster to a player

monster
  ✓ should create a monster with a name

player
  ✓ should create a player with a name
  ✓ should create a player with health starting at 10
  ✓ should create a player with points starting at 0

turn
  ✓ should have a maximum number of rolls
  ✓ should roll the dice and push them into the current roll array

13 passing (14ms)

```

P s. Acceptance test plan

Acceptance Criteria	Expected Result/Output	Pass / Fail
A user is able to search for a particular film by a keyword or title	Films that match the keyword or title are displayed in a table	PASS
A user is able to add films to a list	Films in users movie database appear in a drop down menu and once selected are added to the list record and displayed on the list page	PASS
A user can see a list of reviews that they have written	Film reviews are displayed when the review page is visited by clicking the review page link	PASS
A user can save a movie from the displayed search results	Film is saved to database when the save button is clicked and displayed on the movies page when opened	PASS