

CS 4500 Final Project Presentation

Team 42

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1. System Functionality
2. Job Quality
3. Process and Teamwork
4. Technology Transfer

1. System Functionality

The original mission

For this “Phase 1 prototype,” the goal is not to achieve all these initiatives, but to show that, for a concise user group, sharing and connecting over movie preference is desired and feasible. To achieve this, there is an expectation that what we present will be a Minimum Viable Product (MVP). This product will contain only the core functionality that is necessary to convey the feasibility and potential of the product. This product should be well-built for expansion and should function in a clean and appealing manner. It should also be secure and compelling for new users and potential acquisition targets.

The original mission

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The original mission

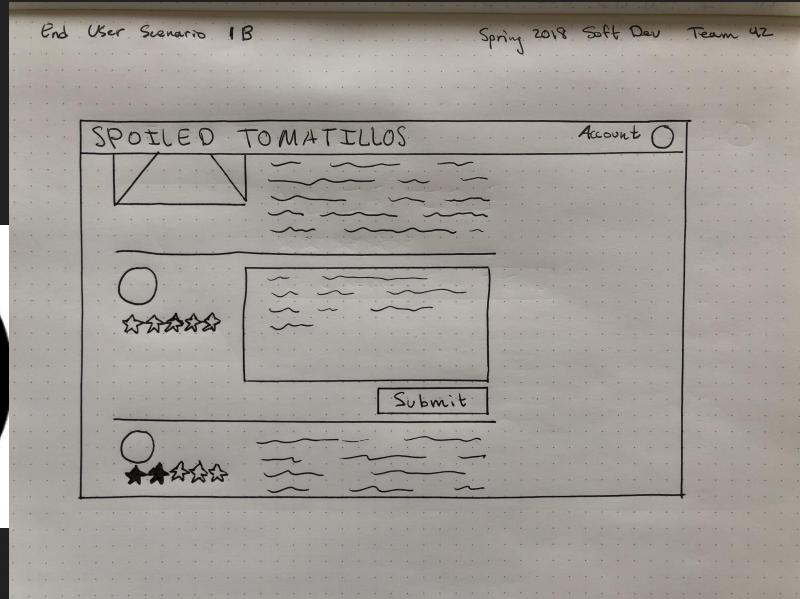
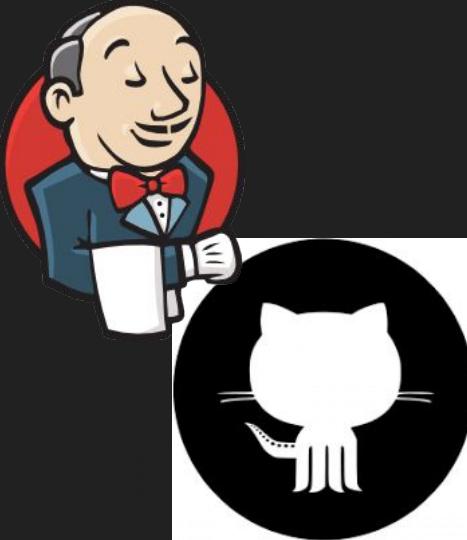
- Users able to sign up for and access accounts
- Users able to search for movies and glean basic information
- Users able to rate and review movies, which will lead to recommendations
- Users able to identify and connect with friends
- Users able to recommend movies to friends
- Users able to be grouped by the system based on connections and interests
- Admin users exist and have more capabilities than end users
- Algorithms exists to smartly suggest movies based on user information

Proposed Use Cases

1. Sign up
2. Log in
3. Log out
4. Reset password
5. Delete account
6. View profiles
7. Edit profile
8. Identify friends
9. Prod friends (recommend movies)
10. View recommendations
11. Search movies
12. Read movie details
13. Rate and review movies

Proposed Use Cases: Sprint 1

1. Sign up
2. Log in
3. Log out
4. Reset password
5. Delete account
6. View profiles
7. Edit profile
8. Identify friends
9. Prod friends (recommend movies)
10. View recommendations
11. Search movies
12. Read movie details
13. Rate and review movies



Proposed Use Cases: Sprint 2

1. Sign up **2**
2. Log in **2**
3. Log out **2**
4. Reset password
5. Delete account
6. View profiles
7. Edit profile
8. Identify friends
9. Prod friends (recommend movies)
10. View recommendations
11. Search movies **2**
12. Read movie details
13. Rate and review movies

The screenshot shows a movie review page for the film 'The Grey'. At the top, there's a navigation bar with a red header containing the text 'ROTTEN TOMATILLOS' and an 'Account' dropdown menu. Below the header is a large movie poster for 'THE GREY' featuring Liam Neeson. To the right of the poster, the movie title 'The Grey' is displayed in a large font, followed by a five-star rating icon.

Below the title, there are two review snippets. The first review is from 'Barak Obama' (represented by a placeholder profile picture), which also has a five-star rating icon. The second review is from 'Donald Trump' (also represented by a placeholder profile picture), which also has a five-star rating icon. Both reviews are preceded by placeholder text: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque scelerisque leo ornare sem pharetra fermentum. Ut turpis quam, laoreet non auctor ut, consectetur sit amet leo. Nullam cursus turpis at sapien iaculis, vitae sagittis est scelerisque. Donec ac dolor non ante euismod mattis. Sed quis lacus eu felis interdum ultrices. Phasellus a hendrerit dolor. Suspendisse potenti. Morbi vulputate nulla eget lacus convallis fringilla. Proin pharetra elementum est auctor.' This text is repeated for both reviews.

At the bottom of the page, there are two buttons: 'Write Review' and 'Suggest to Friend'. There is also a large blue atomic symbol overlaid on the bottom right corner of the page.

Proposed Use Cases: Sprint 3

1. Sign up **2**
2. Log in **2**
3. Log out **2**
4. Reset password
5. Delete account
6. View profiles
7. Edit profile
8. Identify friends
9. Prod friends (recommend movies)
10. View recommendations
11. Search movies **2**
12. Read movie details **3**
13. Rate and review movies **3**

The screenshot shows a web application interface for movie search. At the top, there's a navigation bar with 'SPOILED TOMATILLOS' logo, 'Movie Search', 'Find Users', and user icons for notifications and profile. Below the search bar, the query 'batman' is entered. Three movie results are displayed:

- Batman**: Rating: 7.1 / 10. Description: The Dark Knight of Gotham City begins his war on crime with his first major enemy being the clownishly homicidal Joker, who has seized control of Gotham's underworld.
- Batman**: Rating: 6.1 / 10. Description: The Dynamic Duo faces four super-villains who plan to hold the world for ransom with the help of a secret invention that instantly dehydrates people.
- Batman Begins**: Rating: 7.5 / 10. Description: Driven by tragedy, billionaire Bruce Wayne dedicates his life to uncovering and defeating the corruption that plagues his home, Gotham City. Unable to work within the system, he instead creates a new identity, a symbol of fear for the criminal underworld - The Batman.

Proposed Use Cases: Sprint 4

1. Sign up **2**
2. Log in **2**
3. Log out **2**
4. Reset password
5. Delete account
6. View profiles **4**
7. Edit profile **4**
8. Identify friends **4**
9. Prod friends (recommend movies) **4**
10. View recommendations **4 (based on genre)**
11. Search movies **2**
12. Read movie details **3**
13. Rate and review movies **3**

Recent reviews by people you follow

Ben Campbell reviewed **The Lord of the Rings: The Two Towers**



Ben Campbell reviewed **The Lord of the Rings: The Return of the King**



Ben Campbell reviewed **Up**



Ben Campbell reviewed **Ocean's Twelve**



Proposed Use Cases: Sprint 5

- | | | | |
|-----|---------------------------------|---|-------------------------------|
| 1. | Sign up | 2 | |
| 2. | Log in | 2 | Administrative users 5 |
| 3. | Log out | 2 | |
| 4. | Reset password | | System logs 5 |
| 5. | Delete account | 5 | |
| 6. | View profiles | 4 | |
| 7. | Edit profile | 4 | |
| 8. | Identify friends | 4 | |
| 9. | Prod friends (recommend movies) | 4 | |
| 10. | View recommendations | 4 (based on genre) 5 (smart suggestions) | |
| 11. | Search movies | 2 | |
| 12. | Read movie details | 3 | |
| 13. | Rate and review movies | 3 | |

Basics

Registration and Sign-in

- Register with email unique to users
 - Salted SHA256 passwords
- Login sets up a sessionId
 - sessionId stored in browser local storage and database
 - Stay logged in with valid sessionId
 - sessionId authenticates API routes
 - sessionId deleted on logout of system

The image displays two screenshots of a user interface for registration and sign-in. The top screenshot shows a registration form with the following fields: Name (Jane Doe), Email (myemail@example.com), Avatar (empty), Age (0), Password (empty), and Favorite Genre (Choose your favorite Genre). A 'Register' button is at the bottom. The bottom screenshot shows a login form with fields for Email address and Password, and a 'Login' button. Above the login form is the logo for 'SPOILED TOMATILLOS'.



Site Administration

- Site-wide delete/edit permissions
 - Delete/edit account details
 - Delete reviews
- Promote users as admins
- View and Clear logs

john 5 / 5

"

Ben Campbell 5 / 5

" want to watch



john

martin.john@husky.neu.edu

Likes: Animation

6 Followers

14 Following

[Edit Profile](#) [Delete Account](#)

[Give This User Admin Rights](#)

Log Viewer

- Admin Users can view logs through “View Logs” link
- Logs outputted in a raw JSON array format
- Log list is not limited, all logs displayed

SPOILED
TOMATILLOS

View Logs Movie Search Find Users Home

System Logs

Clear Logs

```
[{"_id": {"$oid": "5acf910e63ac8a8ccfc53"}, "response": "[{"_id": {"$oid": "5ace92600e63ac4b2ad35c2b"}, "read": true, "imdb_id": "1446663"}, {"sender_name": "lidoit", "receiver": {"$oid": "5ac6ca640e63ac50507a505c"}, "sender": {"$oid": "5abc558f7784335dcf7946e0"}, "timestamp": {"$date": "152348732834}, "message": "1"}, {"_id": {"$oid": "5ace92da0e63ac4b2ad35c3f"}, "read": true, "imdb_id": "1277217", "sender_name": "lidoit", "receiver": {"$oid": "5ac6ca640e63ac50507a505c"}, "sender": {"$oid": "5abc558f7784335dcf7946e0"}, "timestamp": {"$date": "1523487450119}, "message": "1"}, {"_id": {"$oid": "5acec59e0e63ac523fb316"}, "read": false, "imdb_id": "1447332", "sender_name": "ljohn", "receiver": {"$oid": "5acdcfa40e63ac50507a505c"}, "timestamp": {"$date": "1523504406571}, "sender": {"$oid": "5abc47730e63ac3b3fd669"}, "message": "1"}, {"method": "prod_get_all", "timestamp": {"$date": "1523554827823}, "message": "", "response_status": 200}, {"_id": {"$oid": "5acf9a110e63ac8a8bb280ee"}, "response": "[{"_id": {"$oid": "5ab25e90e63a4e71766dcf"}, "read": true, "message": "1", "sender_name": "ljohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "timestamp": {"$date": "152234544900}, {"_id": {"$oid": "5abdc01e0e63ac4e717663b"}, "read": true, "imdb_id": "1347882", "sender_name": "ljohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "sender": {"$oid": "5abc47730e63ac3a3b3fd669"}, "timestamp": {"$date": "152234544900}, {"_id": {"$oid": "5abdc01e0e63ac4e717663b"}, "read": true, "imdb_id": "1410521", "sender_name": "ljohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "sender": {"$oid": "5abc47730e63ac3a3b3fd669"}, "timestamp": {"$date": "1522345834948}, "message": "1"}, {"_id": {"$oid": "5abdc01e0e63ac4e717663b"}, "read": false, "imdb_id": "124281", "sender_name": "ljohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "sender": {"$oid": "5abc47730e63ac53b125a19"}, "timestamp": {"$date": "15233846500}, "message": "1"}, {"_id": {"$oid": "5abdc01e0e63ac4e717663b"}, "read": false, "imdb_id": "101951", "sender_name": "ljohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "sender": {"$oid": "5abc47730e63ac3a3b3fd669"}, "timestamp": {"$date": "1522345667289}, "message": "1"}, {"_id": {"$oid": "5abdc01e0e63ac4e717663b"}, "read": false, "imdb_id": "1299536", "sender_name": "lpjohn", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "timestamp": {"$date": "1522436637215}, {"_id": {"$oid": "5abc47730e63ac3a3b3fd669"}, "read": false, "message": "1", "sender_name": "Lisa Oaks", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "timestamp": {"$date": "1523382185457}, {"_id": {"$oid": "5acccff9a90e3ac3b20212af"}, "read": false, "message": "1", "sender_name": "Lisa Oaks", "receiver": {"$oid": "5abdc01e0e63ac4e717663b"}, "timestamp": {"$date": "1523382185457}, {"_id": {"$oid": "5abc558f7784335dcf7946e0"}, "read": true, "imdb_id": "12681"}, {"method": "prod_get_all", "timestamp": {"$date": "1523554833407}, "message": "", "response_status": 200}, {"_id": {"$oid": "5acf9a110e63ac8a8ccfc54"}, "response": "[{"_id": {"$oid": "5abc47730e63ac3a3b3fd669"}, "photo_url": "https://upload.wikimedia.org/wikipedia/commons/3/38/JPEG_example.JPG_RIP_001.jpg", "name": "ljohn", "age": "18", "Follow": [{"$oid": "5abc5a3b0e63ac3d7319326"}, {"$oid": "5abdc01e0e63ac4e717663b"}, {"$oid": "5abe89770e63ac6d0283a385"}, {"$oid": "5abc558f7784335dcf7946e0"}]}]
```

Movie Discoverability

Playlists

Users have access to several lists of movies they may like via the homepage, calculated using favorite genre, TMDB ratings, and a recommendation algorithm.

Personalized movie recommendations for you



Most popular movies in theatres



Most popular Animation movies



Movie Search

Search by name to find movies. On a movie detail page, users can:

- See movie details
- Review movies
- Recommend movies to followers

Lord of the Rings

 **The Lord of the Rings: The Fellowship of the Ring**
Rating: 8.2 / 10
Young hobbit Frodo Baggins, after inheriting a mysterious ring from his uncle Bilbo, must leave his home in order to keep it from falling into the hands of its evil creator. Along the way, a fellowship is formed to protect the ringbearer and make sure that the ring arrives at its final destination: Mt. Doom, the only place where it can be destroyed.

 **The Lord of the Rings: The Return of the King**
Rating: 8.3 / 10
Aragorn is revealed as the heir to the ancient kings as he, Gandalf and the other members of the broken fellowship struggle to save Gondor from Sauron's forces. Meanwhile, Frodo and Sam bring the ring closer to the heart of Mordor, the dark lord's realm.

 **The Lord of the Rings: The Two Towers**
Rating: 8.1 / 10
Frodo and Sam are trekking to Mordor to destroy the One Ring of Power while Gimli, Legolas and Aragorn search for the orc-captured Merry and Pippin. All along, nefarious wizard Saruman awaits the Fellowship members at the Orthanc Tower in Isengard.

Review a Movie

From a movie's details page, users can rate movies from 1-5 stars and add a message with their review.

Users can see others' ratings on movies.

Ratings help Spoiled Tomatillos calculate personalized recommendations for users.

Your review:



What did you think?

Post

Ben Campbell 4 / 5

“ Look out the hills are alive in this scifi thriller.



Prodding (Recommend to followers)

Also from a movie's details page, users can 'prod' their followers and recommend a movie to them. Recipients will receive a notification with the recommendation.



A screenshot of a movie details page for 'Black Panther'. The page includes a movie poster, a summary, and release information. A 'Refer a follower' button is visible. On the right, a 'Prod' message is shown from a user named 'Ari 2' with the note 'Likes: Animation'. The message text is: 'Long live the King! T'Challa rises to become his country's new leader, as well as without his Wakandan family. Nakia, the queen of the Dora Milaje, American secret agent, and Black Panther's love interest, is captured by the Kofi, who are trying to steal the vibranium that makes Wakanda so powerful.'

My Notifications



Ari recommended **Black Panther** — 18 April 2018

“

Social

User Search

Search by name to find other users. On a user search page, users can:

- See a user's name
- See a user's favorite genre
- Follow

The screenshot shows a search interface with a search bar containing the text "ari". Below the search bar, there are two search results. The first result is for a user named "Ari", represented by a gray profile picture, with the text "Likes: Science Fiction" and a checkmark icon. The second result is for a user named "Tired Ari", represented by a photo of a dog, with the text "Likes: Music" and a checkmark icon.

User Profile

When viewing another user's profile we can further or social activities. We can:

- See user's favorite genre
- See user's follower and followee count
- View the full lists of followers and following



john
martin.john@husky.neu.edu
Likes: Animation
6 Followers
14 Following

Recent reviews by john

john reviewed Ready Player One
★★★★★

john reviewed S. Darko
★★★★★

john reviewed Batman
★★★★★



john
martin.john@husky.neu.edu
Likes: Animation
6 Followers
14 Following

mark
Likes: Mystery

Ben Campbell
Likes: Drama

Kelly
Likes: Animation

Julie Salters
Likes: Comedy

Stefan Rajkovic
Likes: Horror

Lisa Oaks
Likes: War

Find Friends (through reviews)

On a movie detail page you can see other people's reviews of a movie and follow them if you like there opinion.



The Titan

Evolve or die

On a bleak future Earth, a soldier endures a radical genetic transformation to save humanity. But his wife fears he's becoming more creature than man.

Critic Rating: ★★★★★

Spoiled Tomatillos Rating: ★★★★★

Release Date: 2018-03-30

Movie Length: 97 min

[Refer a follower](#)

Ari 1 / 5
“ Nah

Ben Campbell 2 / 5
“ looks lame

Follower Feed

On the homepage you can see the feed of recent reviews written by people you follow.

Details include:

- Author's name
- The movie title
- The rating the gave

Recent reviews by people you follow

Ari reviewed [Ocean's Thirteen](#)



Ari reviewed [Up](#)



Ari reviewed [The Lord of the Rings: The Return of the King](#)



Ari reviewed [Happy Gilmore](#)



Lisa Oaks reviewed [Happy Gilmore](#)



Lisa Oaks reviewed [S. Darko](#)



Amit C Raul reviewed [Ready Player One](#)

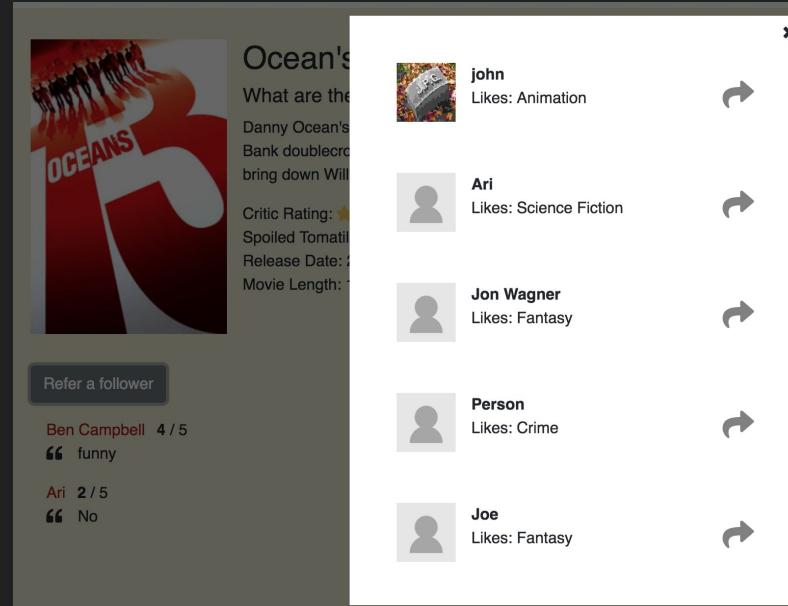
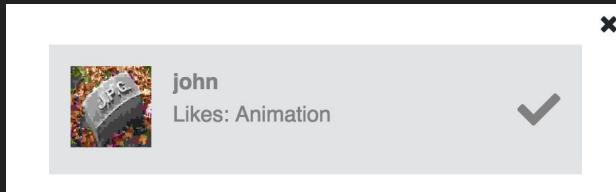


Ari reviewed [Fifty Shades Freed](#)



Prod followers (Recommend a movie)

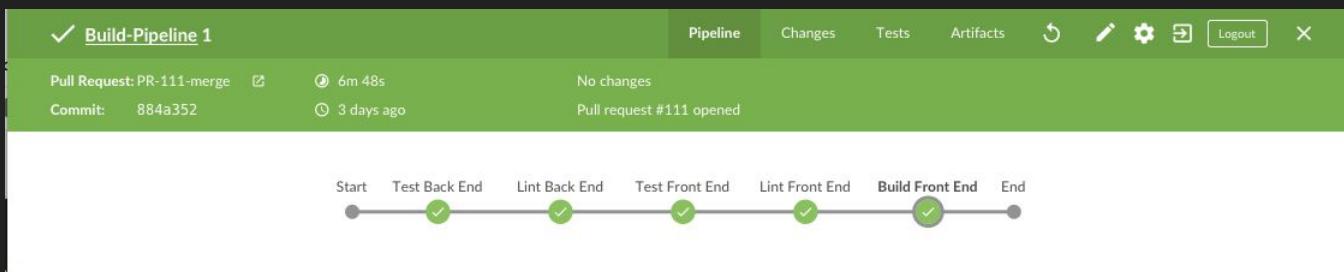
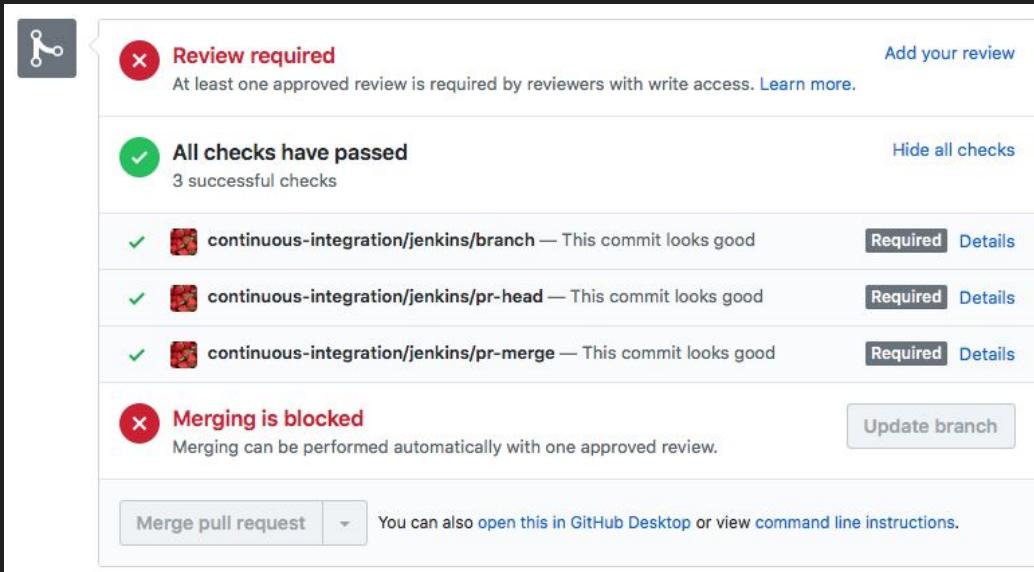
On the movie detail page you can send a recommendation to one of your followers:



2. Job Quality

Structural, Auto-Enforced Quality Gates

Master blocked on tests, linting, and code review



Structural test coverage and code quality gates on merge

```
step([
    $class: 'CoberturaPublisher',
    coberturaReportFile: 'coverage.xml',
    lineCoverageTargets: '98, 98, 50',
    conditionalCoverageTargets: '93, 93, 50',
    failUnhealthy: true,
    failUnstable: true
])
```

```
step([
    $class: 'WarningsPublisher',
    parserConfigurations: [
        [
            parserName: 'PYLint',
            pattern: 'cs4500-spring2018-team42-flask/pylint.log'
        ],
        unstableTotalAll: '25',
        usePreviousBuildAsReference: true
])
```

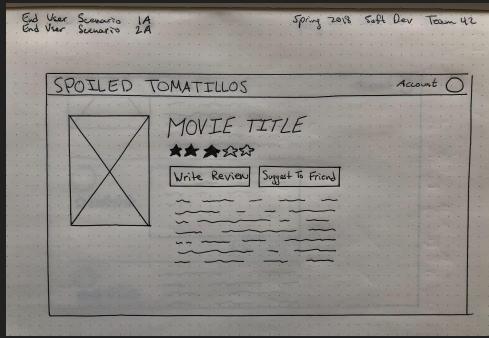
Look at that test coverage



System Quality: User-Focused Design

Quality and Usefulness: Two rounds user studies

- One round before starting work (wireframes)
- One with a working vertical prototype of our system

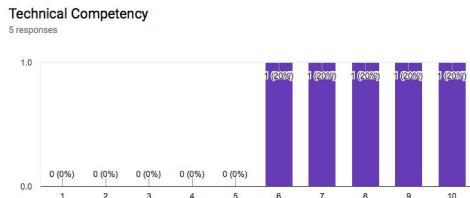


A screenshot of a movie review website. The main page features a large image of a man in a plaid jacket, identified as Happy Gilmore. The title "Happy Gilmore" is displayed below the image. To the left, there's a sidebar with the text "SPOILED TOMATILLOS" and a link to "Spoiled Tomatillos". The main content area includes a brief plot summary: "He doesn't play golf... he destroys it. Failed hockey player-turned-golf whiz Happy Gilmore – whose unconventional approach and antics on the grass courts the ire of rival Shooter McGavin – is determined to win a PGA tournament so he can save his granny's house with the prize money. Meanwhile, an attractive tour publicist tries to soften Happy's image." Below the summary, there are rating sections: "Critic Rating: 8.8 / 10" and "Spoiled Tomatillo Rating: 4.5 / 5". Other details include "Release Date: 1996-02-16" and "Movie Length: 92 min". At the bottom, there's a "Refer a follower" button, a "Your review:" input field with a 5-star rating, a "Post" button, and a comment section with posts from "Lisa Oaks" and "Sam".

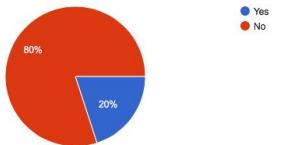
A screenshot of the same movie review website for "Happy Gilmore". In this version, the "Spoiled Tomatillo Rating" is shown as "0 / 5". The rest of the page content, including the plot summary, release date, and user reviews, remains the same as the previous screenshot.

Diversity of Participants

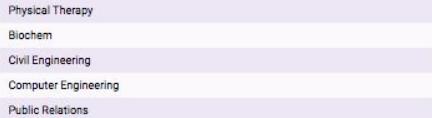
Study 1:



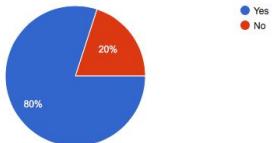
Do you have prior experience with this product?
5 responses



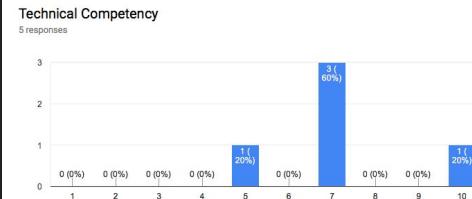
What Major?
5 responses



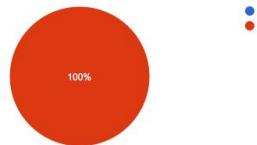
Northeastern Student?
5 responses



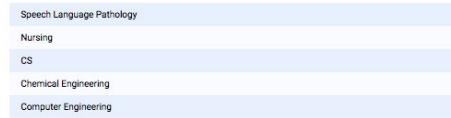
Study 2:



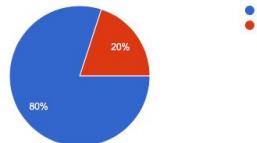
Do you have prior experience with this product?
5 responses



What Major?
5 responses



Northeastern Student?
5 responses



Focus on User-centered design

What was one thing you found difficult/confusing/frustrating?

5 responses

I did not like that when i hit the "post" button my review did not show up until I refreshed the page. most sites will automatically refresh when you post on them

When i hit enter it didn't go

It didn't show my comment right away.

The movie search link is hard to see because its blue. all the links should maybe be yellow.

None

Spoiled Tomatillos Movie Search User Search  Lisa Oaks

Happy Gilmore



He doesn't play golf... he destroys it.
Failed hockey player-turned-golf whiz Happy Gilmore -- whose unconventional approach and antics on the grass courts the ire of rival Shooter McGavin -- is determined to win a PGA tournament so he can save his granny's house with the prize money. Meanwhile, an attractive tour publicist tries to soften Happy's image.

Rating: 6.5 / 10
Spoiled Tomatillos Stars: 0 / 5
Release Date: 1996-02-16
Movie Length: 92

Refer a follower

Review Score:

What did you think?

Post

SPOILED TOMATILLOS Movie Search Find Users 

Happy Gilmore



He doesn't play golf... he destroys it.
Failed hockey player-turned-golf whiz Happy Gilmore -- whose unconventional approach and antics on the grass courts the ire of rival Shooter McGavin -- is determined to win a PGA tournament so he can save his granny's house with the prize money. Meanwhile, an attractive tour publicist tries to soften Happy's image.

Critic Rating: ★★★★☆
Spoiled Tomatillos Rating: ★★★★☆
Release Date: 1996-02-16
Movie Length: 92 min

Refer a follower

Your review:
 What did you think?

Lisa Oaks 5 / 5
"Best movie ever made."

Sam 4 / 5
"This was very bad. I am sad I wasted 92 minutes of my life watching a baby man fight an irrelevant public figure"

Post

Result of second user study

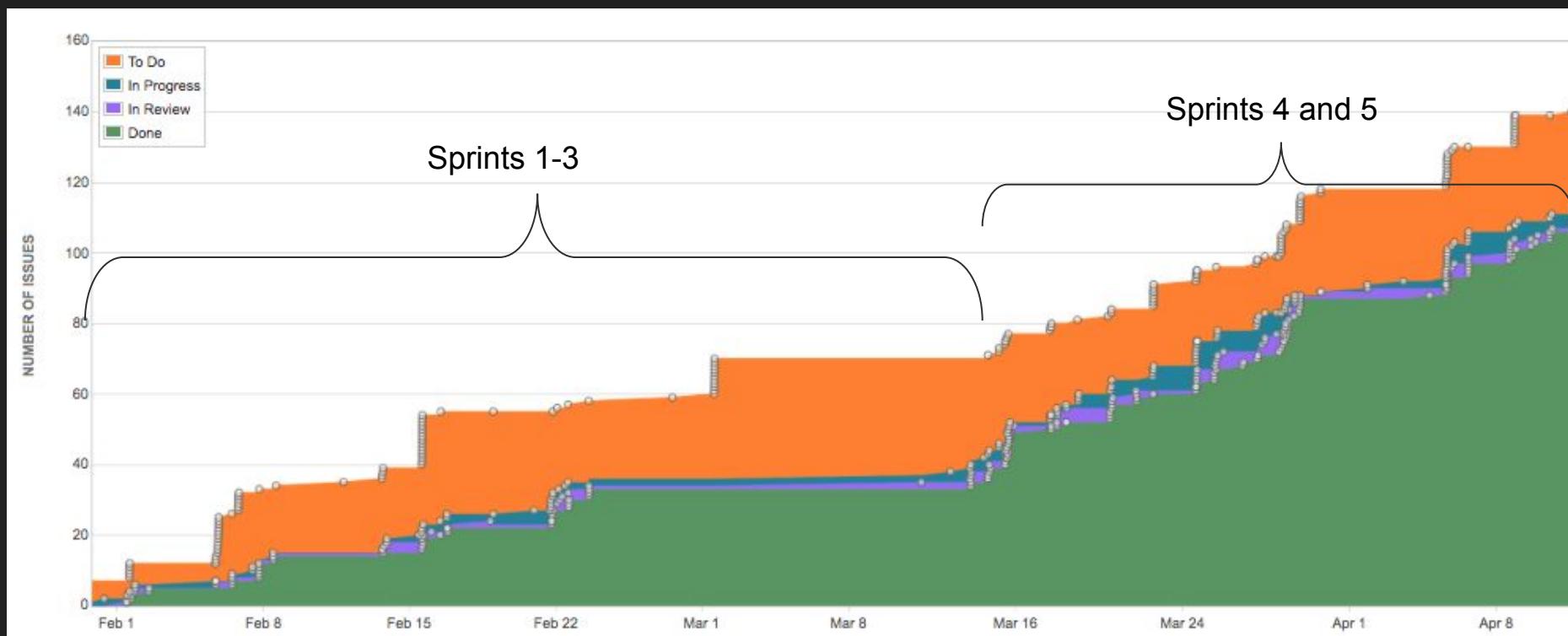
- Shaped navigation and design
- Helped define priorities in last sprint
- For more details, see study results report in GitHub under additional-details folder

The screenshot shows a Jira epic card for 'team-42-spring18 / TEAM42-156'. The card title is 'User study v2 gave us some feedback which we are acting on'. The epic type is 'Epic', priority is 'Medium', and status is 'OPEN (View Workflow) Unresolved'. The epic name is 'Improvements based on User Study'. There is a 'Description' section with a placeholder 'Click to add description'. An 'Attachments' section has a placeholder 'Drop files to attach, or browse.'. The 'Issues in Epic' section lists ten issues:

Issue Key	Description	Status	Assignee
TEAM42-162	Write and upload report on results of user study	CLOSED	Lisa Oakley
TEAM42-155	Make search case insensitive	CLOSED	Benjamin W. Campbell
TEAM42-145	[Front End] Homepage	CLOSED	Arianna Tang
TEAM42-152	[Front End] Improvements to posting review	CLOSED	John J. Martin
TEAM42-131	[Front End] Modify functionality of register, log in, log out experience	CLOSED	John J. Martin
TEAM42-165	Add units to movie length	CLOSED	Unassigned
TEAM42-159	Improvements to Nav Bar	CLOSED	Peter Battinelli
TEAM42-157	Enter to Submit	CLOSED	Lisa Oakley
TEAM42-161	Movie poster size	CLOSED	Benjamin W. Campbell

System Quality:
Team Improvement Over Time

Noticeable Increase in Productivity, Time Management



Positive Feedback: Increase in Productivity, Time Management

Environment Expectations:

Comments: The burndown chart show that team has been working continuously throughout the sprint. This is a significant improvement compared to the previous sprint where you see spikes just before the deadline.

Team GRADE: A

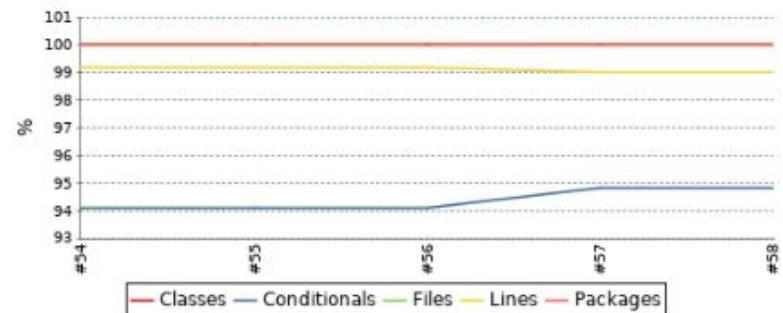
Extra Comments: Overall; the team did an exceptional job and are in a good position to deliver a quality product to their client.

Grader: Amit

Constantly Bumping Up Quality Gates

Code Coverage Cobertura Coverage Report

Trend



-  **TEAM42-121 #comment Create strict test coverage gates**
loakley committed 22 days ago ✖
-  **Our coverage improved, lets keep it that way**
loakley committed 11 days ago ✓
-  **More test coverage**
tangar committed 8 days ago ✓
-  **TEAM42-143 #comment Up the coverage thresholds**
loakley committed 7 days ago ✓

Writing Repro Tests With Bug Fixes to Prevent Regressions

hmm well you found a bug in the code i guess

Lisa Oakley 11:11 PM

If its a bug write a repro test before fixing it so it doesnt come back

```
+     def test_follow_me_get_all_no_session(self):
+         me, other = FollowTest.follow_setup(self)
+
+         session_one = User.check_session('abcdefghijklmnopqrstuvwxyz')
+
+         if session_one:
+             data = {
+                 'user_id': str(other.get('_id'))
+             }
+
+             response = self.app.post('/user/follow-me/', data=dumps(data))
+             data = loads(response.get_data(as_text=True))
+
+             self.assertEqual(response.status_code, 400)
+             self.assertEqual(data.get('error'), "must be logged in to view followers")
```

3. Process and Teamwork

Consistent Communication and Workload Balancing

- We held each other accountable and kept each other informed.
- We stayed in communication and took team responsibility for the code.
- We reminded each other of deadlines and checked in on progress.
- Individual shortcomings were remedied by teamwork and communication.
- We kept Jira up to date through smart commits.

Tools

GitHub Smart Commits, PR and Deployment Notifications in Slack

Github

[TEAM42-124] #comment further refactored new session architecture #in-
...
jmartin4 committed 13 days ago

TEAM42-40 #comment User search has its own placeholder
loakley committed 13 days ago ✓

[TEAM42-124] #comment refactored login to save all user information, ...
...
jmartin4 committed 13 days ago

[TEAM42-58] #comment add i-follow api hookup
jmartin4 committed 13 days ago

[TEAM42-58] #comment add follow-me api hookup
jmartin4 committed 13 days ago

Merge branch 'master' of https://github.ccs.neu.edu/CS4500/team-42-
sp...
tangar committed 13 days ago ✓

#comment Notifications show up in the navbar; can view and mark notif...
...
tangar committed 13 days ago ✓

TEAM42-104 #comment Added a logging model and create log objects on
e...
campb committed 13 days ago ✓

Slack

github APP 1:04 PM [CS4500/team-42-spring18] Pull request submitted by campb
#100 TEAM42-161 #comment fix movie poster size in movie search and notific...
...ations #in-development

github APP 1:18 PM [CS4500/team-42-spring18] Pull request closed: #100 TEAM42-161 #comment fix
movie poster size in movie search and notific... by campb

github APP 1:36 PM [CS4500/team-42-spring18] Pull request closed: #99 Team42-136 Admin front end
by loakley

github APP 4:07 PM [CS4500/team-42-spring18] Pull request submitted by loakley
#101 TEAM42-136 Fix admin bugs

github APP 4:18 PM [CS4500/team-42-spring18] Pull request closed: #101 TEAM42-136 Fix admin
bugs by loakley

github APP 4:41 PM [CS4500/team-42-spring18] Pull request submitted by jmartin4
#102 Team42 160

John 4:45 PM review me
Posted using /giphy | GIF by Comedy Central (931 kB) ▾

Slack

jenkins en español APP 11:19 AM Publish-React - #59 Success after 1.1 sec (Open)
Deploy-Flask - #85 Success after 25 sec (Open)

jenkins en español APP 11:28 AM Publish-React - #60 Success after 0.37 sec (Open)
Deploy-Flask - #86 Success after 17 sec (Open)

jenkins en español APP 11:47 AM Publish-React - #61 Success after 0.45 sec (Open)
Deploy-Flask - #87 Success after 17 sec (Open)

jenkins en español APP 12:20 PM Publish-React - #62 Success after 0.29 sec (Open)
Deploy-Flask - #88 Success after 17 sec (Open)

jenkins en español APP 2:03 PM Publish-React - #63 Success after 0.41 sec (Open)
Deploy-Flask - #89 Success after 17 sec (Open)

Using Epics to keep track of progress and organise tasks

The screenshot displays a Jira board with three epics:

- Rating/Reviews**: Progress: 9 of 10 issues have been resolved.
- USE CASE: Log In/Log Out**: Progress: 3 of 3 issues have been resolved.
- Improvements based on User Study**: Progress: 7 of 9 issues have been resolved.

Below each epic, there is a list of issues:

- Rating/Reviews** issues:
 - TEAM42-131 [Front End] Modify functionality of register, log in, log out experience
 - TEAM42-132 Parameterize API Key and Database Info (front end and back end)
 - TEAM42-159 Improvements to Nav Bar
 - TEAM42-127 User-to-User collaborative filtering algorithm to produce playlist
 - TEAM42-148 User flows
 - TEAM42-157 Enter to Submit
 - TEAM42-164 Movie poster size
 - TEAM42-164 Profile displays user's followers and following
- System Development** issues:
 - Improvements bas...
 - System Development
 - Improvements bas...
 - Recommendations
 - UX/UI cleanup
 - Improvements bas...
 - Improvements bas...
 - User Account

Project Navigation Sidebar:

- All issues
- Mock-Up Study Assignment
- System Development
- Admin User
- User Account
- Rating/Reviews
- Social
- Movie Details
- Recommendations

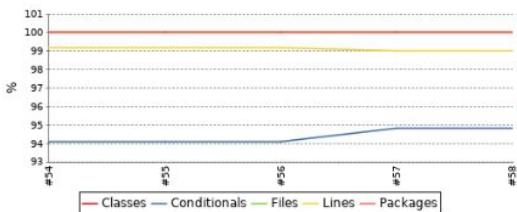
Note: these progress reports are from sprint 4 and 5, do not reflect current progress

Fully automated testing, linting, code coverage, and deployment from sprint 2

Code Coverage

Cobertura Coverage Report

Trend

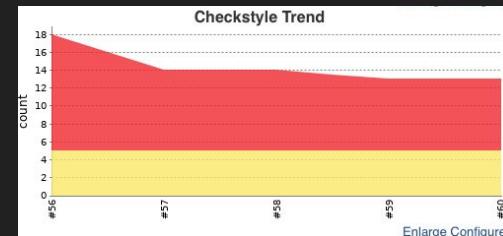


Project Coverage summary

Name	Packages	Files	Classes	Lines	Conditionals
Cobertura Coverage Report	100% 1/1	100% 7/7	100% 7/7	99% 299/302	95% 91/96

Coverage Breakdown by Package

Name	Files	Classes	Lines	Conditionals
cs4500-spring2018-team42-flask.models	100% 7/7	100% 7/7	99% 299/302	95% 91/96



Thursday, February 22nd

- jenkins en español** APP 8:54 AM Publish-React - #20 Success after 0.35 sec ([Open](#))
- Deploy-Flask - #46 Success after 20 sec ([Open](#))
- jenkins en español** APP 11:14 AM Publish-React - #21 Success after 0.3 sec ([Open](#))
- Deploy-Flask - #47 Success after 21 sec ([Open](#))
- jenkins en español** APP 11:44 AM Deploy-Flask - #48 Success after 17 sec ([Open](#))
- Publish-React - #22 Success after 0.71 sec ([Open](#))

		Build-Pipeline
		Deploy-Flask
		Publish-React

We even helped other teams with the knowledge we gained! (sharing is caring)

 Lisa Oakley 12 days ago
You can figure out where the most space is being used by going into your /var/jenkins_home.

ssh into your Jenkins instance, then

```
> docker ps
```

to get the id of your jenkins docker container, then

```
> docker exec -it <container ID> bash
```

to drop into a shell in the docker container, then

```
> cd /var/jenkins_home  
> du -sh *
```

This will list the total size of each of the directories in your jenkins_home directory (this command may take some time to run). You will probably see that the workspace directory is taking up the most space

Basically for every branch and PR that runs your pipeline, jenkins clones your whole GitHub repo into /var/jenkins_home/workspace/somebranch_repo and just leaves it sitting there forever

If no builds are running, it is safe to remove everything in the /var/jenkins_home/workspace/ directory because Jenkins will just clone the repo again on the next build of your pipeline. This will free up a lot of space.

You can also add `deleteDir();` to the end of the last step of your jenkinsfile to remove this workspace after each build so you don't have to keep going in to manually do it.

You can also check available disk space through the Jenkins UI by clicking "build executors" on the bottom left of the home page.

Deleting the logs of old builds can also help, but I think the workspaces are the real space suck.

Be careful messing with other stuff in /var/jenkins_home I think you can do damage in there. Might be safe to save a copy somewhere if you aren't sure

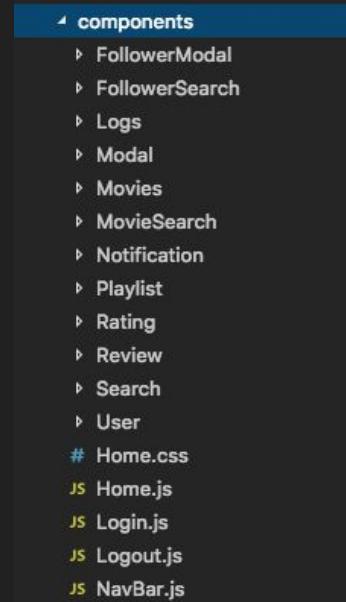
If any of this doesn't make sense lmk.

 Alexander Grob 12 days ago great post!

 Anonymous 12 days ago Thank you so much for this!!!

General Housekeeping

- Kept story progress up to date in Jira
- Kept number of branches under control
- Quickly closed PRs
- Kept directory structure organized
- Jenkins cleaned up after itself



A screenshot of a GitHub interface showing a modal dialog titled 'Switch branches/tags'. The dialog has a search bar with placeholder text 'Find or create a branch...'. Below the search bar are two tabs: 'Branches' (which is selected) and 'Tags'. A list of branches is shown, with 'master' highlighted by a blue background and a checkmark icon. At the bottom of the dialog, there are statistics: '0 Open' and '111 Closed'.

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Temp Space	Response Time	Free Swap Space
	master	Linux (amd64)	In sync	1.94 GB	1.94 GB	0ms	0 B
	Data obtained		1 ms	1 ms	1 ms	1 ms	1 ms

Teamwork

Thriving on Chaos: Open Communication

Wednesday, March 28th

Lisa Oakley 5:26 PM

I'm generating our progress report right now. Can we delete the prod friend story @ari? I assume your notification center story is covering that or @Ben Campbell

ari 5:29 PM

No prod friend is not included in mine

One is actually do prod one is view notifications

Ben and I are back to normal

John 5:55 PM

Prod and notifications are different use cases

Or at least distinct stories

Lisa Oakley 6:20 PM

ok, does anyone have the space to take on the prod front end story?

ari 6:20 PM

If no one else does I can maybe do it

Gonna finish up notifications after I make some dinner and we'll see

Lisa Oakley 6:21 PM

I could take it on but I'm not super confident ill finish in time

because I have class all morning tomorrow

would this be like a share button to add to the movie detail page?

John 6:21 PM

After talking to Ben I guess we do actually need his back end followers list stuff done

Then we need to generate a UI for that list

Ben Campbell 6:22 PM

check back in at 7

John 6:22 PM

I can probably get that done

But maybe not also the requests you made on my PR @Lisa Oakley

I mean, I could, if I don't sleep get one less hour of sleep than I'd like to. (edited)

Which is about 6, if anyone is curious about how much I sleep

Lisa Oakley 6:42 PM

I can probably do the fixes on your PR

i will do those things

github APP 7:02 PM

[CS4500/team-42-spring18] Pull request submitted by campb

#75 Team42 120

Ben Campbell 7:02 PM

well 7:02 is a bit later than I said but close enough

Responsible Communication

ari 10:57 PM

@channel does anyone need extra hands? I'm willing to work late into the night but I can't guarantee I'll be awake much before lab tomorrow; we're really close and I think we can get this sprint done

Lisa Oakley 11:29 PM

OK TEAM

If I go to bed and you need prod logs

Log into Jenkins > Manage Jenkins > Scroll down to Publish over SSH > Key

copy the text in the box labelled Key and save it to a file named flask-app.pem on your local machine
(Pls do not push this to the repo or my AWS will ache)

then in your terminal run

```
> chmod 600 flask-app.pem  
> ssh -i flask-app.pem ec2-user@ec2-54-87-191-69.compute-1.amazonaws.com  
> cat out
```

And your logs will print to the console

Reminding each other of deadlines



Ben Campbell 3:53 PM

did you guys do your peer reviews?



John 7:12 PM

Lisa Oakley

@here don't forget to do your peer reviews by 9

Posted in #general | Mar 28th



Ben Campbell 7:12 PM

don't forget to fill out your peer reviews @here



Pbatt 7:55 PM

don't forget the teammates thing btw

@here don't forget to do your peer reviews by 9

Overcoming Individual Weakness with Domain Leaders

Back End/Flask -- Lead: Ari Tang

I have a year of industry experience working in Python, primarily on the back end. Six months of this experience includes Flask. I have also worked on several other personal or group projects using Python and/or Flask, and feel very comfortable with it. Our team has a wide range of previous experience,

Front End and Design/React -- Lead: John Martin

I have 3 years of industry experience in Javascript and 2 years of industry experience in React. I have worked for a design agency and designed multiple websites and web apps. I recognize the rest of the team is coming from many

Security -- Lead: Peter Battinelli

As the security lead, I have a limited amount of practical security knowledge as well as theoretical knowledge. I plan on researching how to provide adequate web security for our project on the front and back end to reduce our

Deployment/Jenkins -- Lead: Lisa Oakley

I have 6 months of industry experience working with Docker and AWS. I have also worked with CI tools such as Concourse CI and have experience both using and developing cloud deployment tools such as BOSH and Cloud Foundry. I do not have specific experience with Jenkins, but have learned a lot in this time and feel comfortable that I can make anything work that we need done. One challenge we face as a team is that we have chosen a different stack than is standard for the class. As such, we have been forced to forge our

Organizational tools (Jira, Slack, GitHub) -- Lead: Ben Campbell

I have over 18 months experience using Jira as my primary agile management tool. I am very comfortable navigating Slack, integrating 3rd party services and have even created my own custom Slackbot. I have been using GitHub for over 3 years and have a firm understanding of how it works and how to best

Helping in our areas of expertise

Pbatt 10:19 PM

@John setting localStorage worked but now I have to go to a different route or refresh
any ideas?

Lisa Oakley 10:19 PM

oh yeah, I ended up working faster than I thought I would

John 10:19 PM

@Pbatt that makes sense because React isn't subscribed to changes to localStorage, so the components that have a reference to photoUrl assume it's still current

You need to somehow trigger state change. If this is on success of the profile update call, I'd just do a window.location.reload

That's fine for our purposes

Pbatt 10:21 PM

ok thanks

John 10:21 PM

np 😊

Pbatt 10:22 PM

and worked perfectly

Ben Campbell 3:53 PM

how do I run the unit tests locally?

Lisa Oakley 3:54 PM

which unit tests

Ben Campbell 3:54 PM

python

Lisa Oakley 3:54 PM

`pip3 install pytest` `python -m pytest tests/*`

Ben Campbell 3:55 PM

is this in a different terminal window than the flask server?

Lisa Oakley 3:55 PM

i don't think it matters

you have to be running venv

and have the requirements installed

Ben Campbell 3:56 PM

so two venvs?

one for flask and one for tests

Lisa Oakley 3:56 PM

flask doesn't have to be running the app for the tests to run

Ben Campbell 3:56 PM

oh ok

Working together to overcome challenges

John 3:26 PM

Wednesday, March 20th

What does the request look like?

Lisa Oakley 3:27 PM

I'm confused by that question, didn't you write the request code in the API wrapper?

Ben Campbell 3:27 PM

Did you get an internal server error

In the flask logs

John 3:27 PM

Yeah I mean the request in the dev tools

What was messed up with session id?

Lisa Oakley 3:27 PM

it was that same bug that was messing us up before, i forgot to merge master into this branch before testing

John 3:28 PM

oh

Lisa Oakley 3:28 PM

```
user_exists = DB.User.find_one({"_id": ObjectId(oid.get('$oid'))})  
AttributeError: 'NoneType' object has no attribute 'get'
```

(edited)

this is in the flask logs

4. Technology Transfer

Easily transfers to new developers

- Config and env files, customize with your own database creds and routes
- Jenkinsfile and scripts so configuring CI and running is easy
- READMEs include instructions for development using flask and yarn
- Watch System Transfer video for full details on this

Possible future development

Possible future development

- Add system emailing capabilities:
 - Send users notifications via email
 - Avenue for password resetting

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Possible future development

- Add system emailing capabilities:
 - Send users notifications via email
 - Avenue for password resetting
- Linking movies to streaming platforms
- Platform expansion into music, books, etc.