

User Accounts

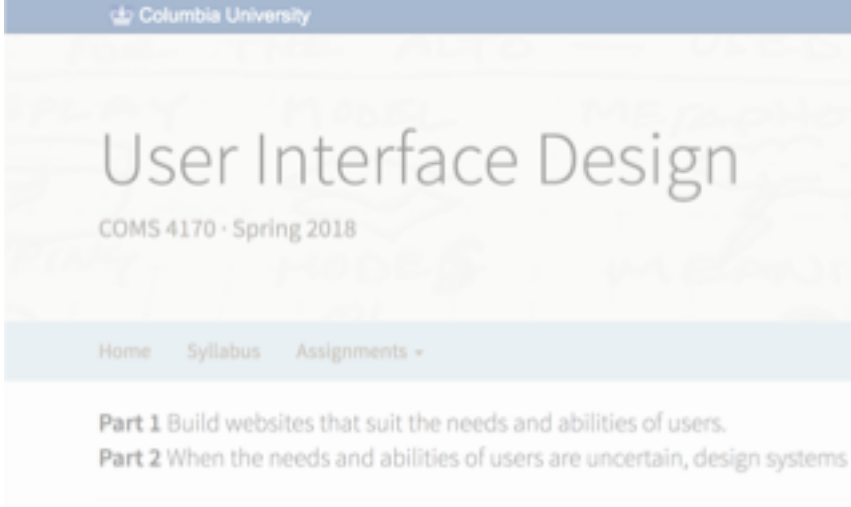
No screens



Prof. Lydia Chilton
COMS 6998
5 October 2018

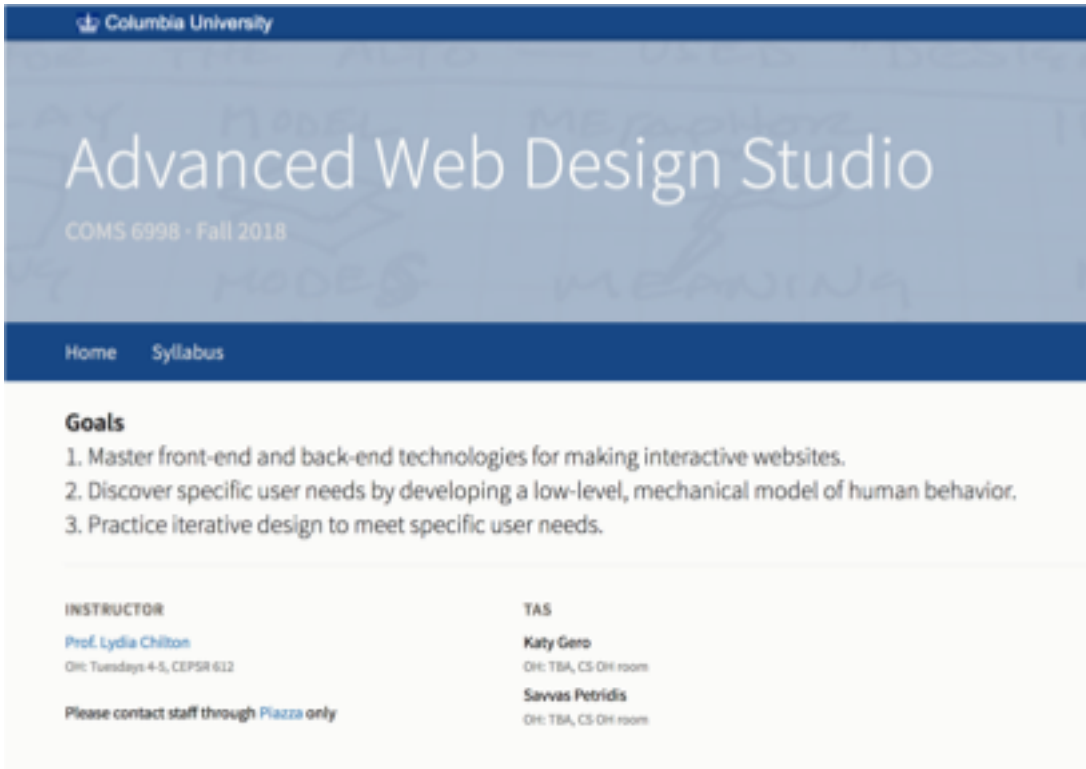
Say your name





You already know front-end web dev:
HTML, JavaScript, Bootstrap, jQuery

And design:
Iterative design, critique



You will learn back-end web dev:

- Server-side programming (Flask),
- **Databases (Sqlite, SQLAlchemy)**
- Real-time Communication (Socket.IO)

And practice web design by:

- **Rebuilding IMDB.com**
- Rebuilding twitter
- Pursuing your own project

Last week:

Build a web app that meets a
specific user need in the
movie data domain

(That is not a specific need that IMDB supports well)

Last weeks goal: Iterate

- Iterate on your application
 - Define your own high level goal: a specific user need to solve
 - Define 7-10 low level goals you will need to achieve this.
 - This should be the **next riskiest thing**
 - It should now be feature complete and ready for users!
 - **Give a user persona so you know that it is ready for at least one user.**
 - The **graphic design** should reflect the intent of the application to the user.
 - It can be minimal, but it should convey the purpose of the side and guide the user's attention through the task
 - Create at least 1 paper prototype – test it on at least 1 person.
 - Report one thing you learned from it
 - Test it on at least 1 person
 - Report on thing you learned

Use graphic design to convey the specific needs your site serves.

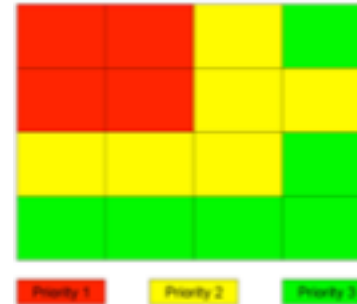
- Conceptual grouping
- Location
- Whitespace
- Size
- Images
- Contrast
- Color

You are cordially invited to
Robert and Alexandra's delectable after dinner
party.

Wine and nibbles will be served.

When: February 20th, 2018 at 9:30pm.
Where: the pad. If you need directions, ping us.

Kindly let us know if you will be attending by
February 1st.



You are cordially invited to
**Robert and Alexandra's
delectable after dinner party.**

Wine and nibbles will be served.



Book unique homes and experiences.

WHERE

Anywhere

CHECK IN

mm/dd/yyyy

CHECK OUT

mm/dd/yyyy

GUESTS

1 guest

Search



Logo here

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NOTE: Course information changes frequently. Please re-visit these pages periodically for the most recent and up-to-date information.

Studio Time: 45 minutes

Critique:

- **What specific user need is being met?**
- **Does the graphic design help the user meet their specific need in an intuitive way?**

How to give

Negative Critique

Honest

Too nice

Too mean



To genuinely help people we can't be too nice.
We have to say the things that aren't working.

I asked some of you:

“Is there are reason you’re not as providing incisive negative critique?”

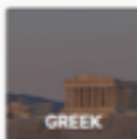
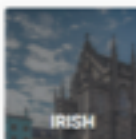
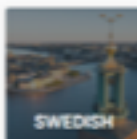
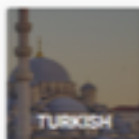
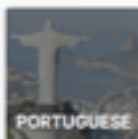
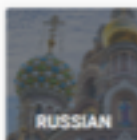
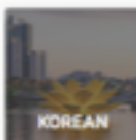
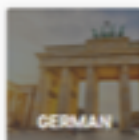
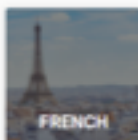
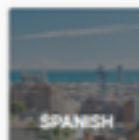


I don't want to risk being too mean to somebody's face.

Interface #1

- Specific User need:
 - Help advanced language learners immerse themselves in the language and culture of that language by finding films in their target language.

Immerse yourself. Watch a movie in **Danish** .

[Get started](#)

Improve your language skills and expand your cultural frontiers

Studies show that watching movies is one of the best ways to get better at language and achieve native-level proficiency. Relax and soak up new worlds of cinema you didn't know existed, whether you're hanging out with friends or just chilling in bed.



How it works

We make it convenient for you to discover great movies in the language you're learning. By aggregating movies using information from [IMDb](#) and other sources, we provide you with movies you'll be interested in that enrich your linguistic knowledge.

Find your language

[Danish](#)[English](#)[Spanish](#)[Finnish](#)[Irish](#)[Kurdish](#)[Cornish](#)[Luxembourgish](#)[Polish](#)[Swedish](#)[Turkish](#)[Yiddish](#)

Movies in Japanese

Classics



Spirited Away
2003 - 8.6/10



Princess Mononoke
1997 - 8.4/10



Seven Samurai
1956 - 8.7/10



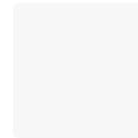
Howl's Moving Castle
2005 - 8.2/10



My Neighbor Totoro
1988 - 8.2/10



New releases



Junpei, Think Again
2018



Before The Coffee Gets Cold
2018



Hibiki - shôsetsuka ni naru hôhō
2018



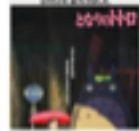
Real Girl
2018



Okko's Inn
2018



Movies in Japanese



My Neighbor Totoro

1988 - 8.2/10



Okko's Inn

2018



2012

2016

Rating

< Clear

● ● ● ● ● and up

Countries

< Clear

☒ France

☐ Canada

☐ Belgium

☐ Switzerland

☐ Italy

[More...](#)

Genre

< Clear

Drama

Documentary

Comedy

Crime

Adult

Adventure

Action

Thriller

Biography

Animation

Sort by rating



Go

W.A.K.A 2014 - 8.9/10



Directed by **Françoise Ellong** - Drama - Patricia Bakalack, Bruno Henry, Alain Bomo Bomo, Frank Ateh

Mathilda is Marilyn, mother of Adam during the day and prostitute at night. She is ready for any sacrifice to raise her child...

Une brasse sur la neige 2014 - 7.9/10



Directed by **Boris Baum** - Drama - Xavier Gallais, Chiara Capitani, Johan Libéreau, Jonathan Bruzat

A robbery, a new language, an inner odyssey

Le monde doit m'arriver? 2013 - 8.7/10



Directed by **Jonathan Taleb** - Comedy, Drama, Family - Alex Skarbak, Jeremy Taleb, Sabrina Nouchi, Georges Martin-Censier

Between fear of success and a tricky break-up, Ludovic is beyond all hope as he is getting close to the 30's stage. His unexpected meeting with a sick child, Raphael, shakes up his daily life and his future approach. Together, they go after their dreams...

Games of Clouds & Rain 2013 - 7.9/10



Directed by **Benjamin de Lajarte** - Comedy, Drama, Romance - Simon Yam, Hsiao Li, Audrey Dana, John Mc Lean

Lost souls on a rainy night find love. Or not. An unpredictable story between madness and poetry, among Taiwanese, French and New Yorker.

Leviathan 2012 - 8.5/10



Directed by **Pierre-Benoist Varoquier** - Drama - Eric Berger, Morgane Buisson, Philippe Canales, Guillaume Fariotte

A strong tale of racial integration, two different stories of young men who both are looking for a land to put their roots down.

Amour 2012 - 7.9/10



Directed by **Michael Haneke** - Drama, Romance - Jean-Louis Trintignant, Emmanuelle Riva, Isabelle Huppert, Alexandre Tharaud

Georges and Anne are an octogenarian couple. They are cultivated, retired music teachers. Their daughter, also a musician, lives in Britain with her family. One day, Anne has a stroke, and the couple's bond of love is severely tested.

Patris: Homelands 2015 - 8.2/10



Directed by **Cheyenne Carrel** - Drama - Jackie Toto, Augustin Raguenet, Bala Cagny Dlop, Sylvia Homawoo

A strong tale of racial integration, two different stories of young men who both are looking for a land to put their roots down.

What the Day Owes the Night 2012 - 7.8/10



Directed by **Alexandre Arcady** - Drama, Romance - Nora Amzezer, Fu'ad Alt Aartou, Anne Parillaud, Vincent Perez

Algeria, the 1930s. Younes is nine years old when he is put in his uncle's care in Cran. Reborn as Jonas, he grows up among the Rio Salado youths, with whom he becomes friends. Emilie is ...

Out 1 2015 - 8.1/10



Directed by **Jacques Rivette**, Suzanne Schiffman (co-director) - Drama - Michèle Moretti, Hermine Karagheuz, Karen Puig, Pierre Ballot

"Out 1" is a very precise picture of post May 1968 malaise - when Utopian dreams of a new society had crashed and burned, radical terrorism was starting to emerge in unlikely places and a ...

The Little Prince 2016 - 7.8/10



Directed by **Mark Osborne** - Animation, Adventure, Drama - Jeff Bridges, Mackenzie Foy, Rachel McAdams, Marion Cotillard

A little girl lives in a very grown-up world with her mother, who tries to prepare her for it. Her neighbor, the Aviator, introduces the girl to an extraordinary world where anything is possible, the world of the Little Prince.



with her companion Dodi Al Fayed...



Now the cheese shop.
Picodons are 12.90, cabecous 23.50.



All women want to sleep
on a man's shoulder.



- Nobody's immune.
- At least it gives me a break.



At the same time,
man leaves his home at 108 Rue Lecou





- Did it work?
- It's getting there.




I saw their little game.




Critique: I like, For me.../ I wish...


Find your language... 


Movies in Japanese

Classics





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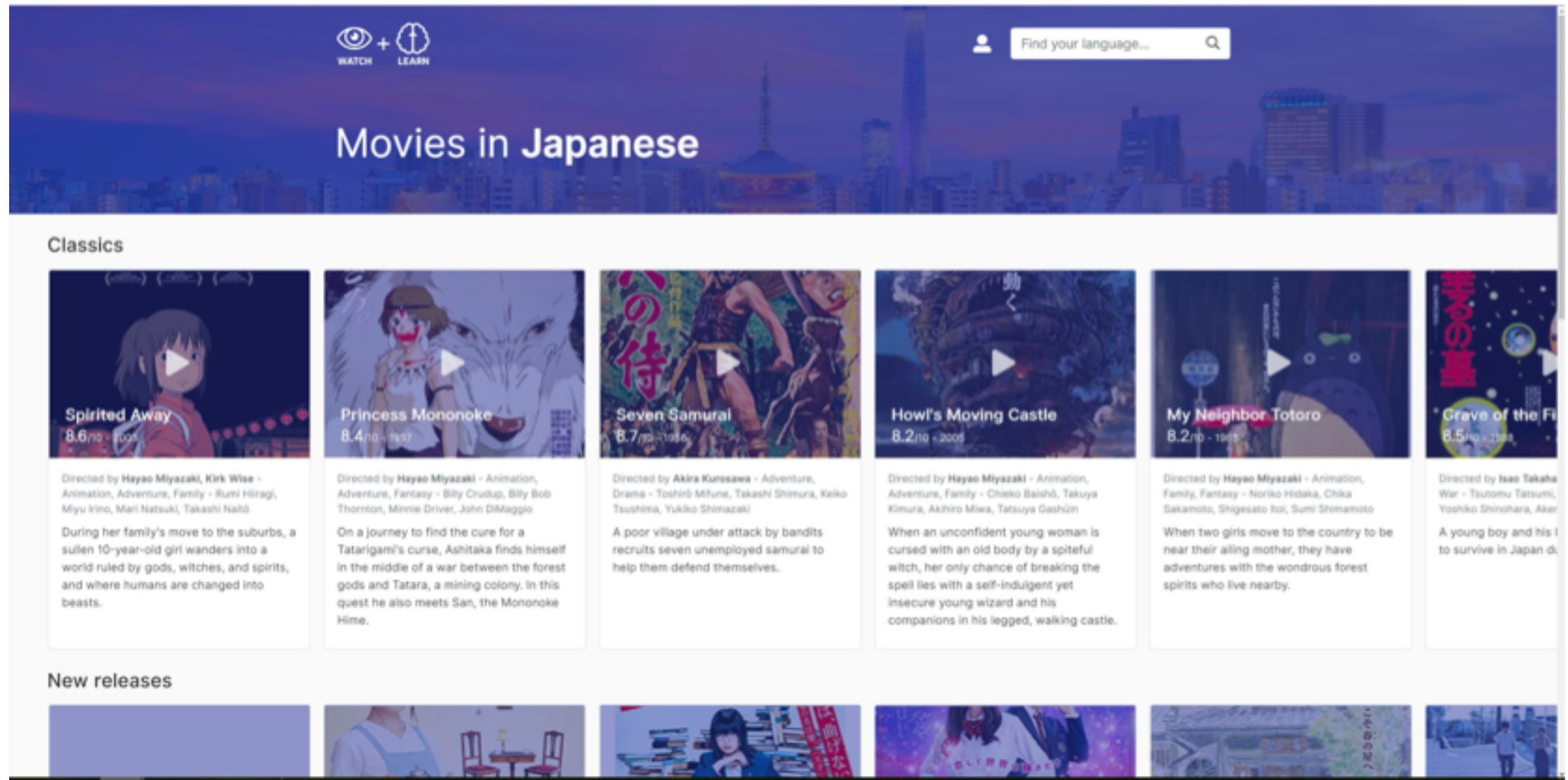




Okko's Inn
2018



Iteration: Made the Movies more like Netflix

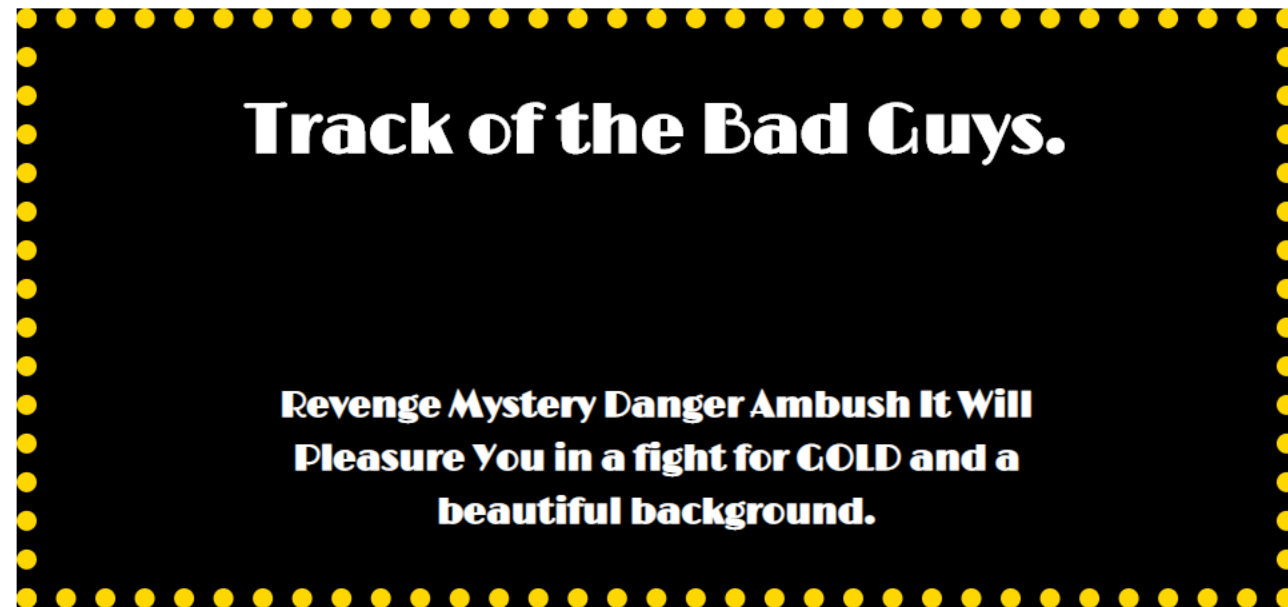


Interface #2

- Specific User need:
 - “I wanted to practice using a python backend to call a Markov Chain, so I used it to generate movie titles. So it can help script writer come up with ideas, but sometimes it’s just funny.”







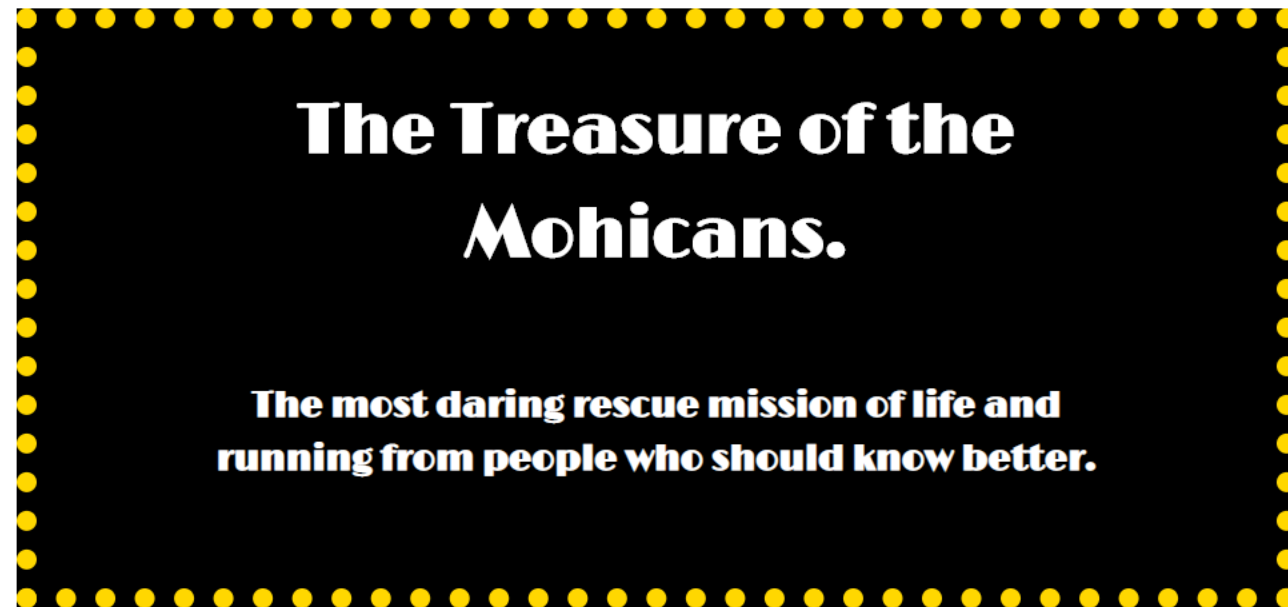


**The next great Comedy
film...**



A Walk in the Attic.

**When life falls apart, friends keep it together
Opportunity rocks where you start - It's the
Comedy Smash of the expected?**



Critique: I like..., For me... I wish...

The screenshot displays a web browser window with a 'SPIN' genre wheel and a movie poster for 'A Walk in the Attic'.

SPIN Genre Wheel: A circular chart with 20 segments, each representing a genre. The center is labeled 'SPIN'. The genres, starting from the top and moving clockwise, are: War, Western, Action, Adventure, Animation, Comedy, Crime, Documentary, Drama, Family, Fantasy, Foreign, History, Horror, Music, Mystery, Romance, Science Fiction, TV Movie, and Thriller.

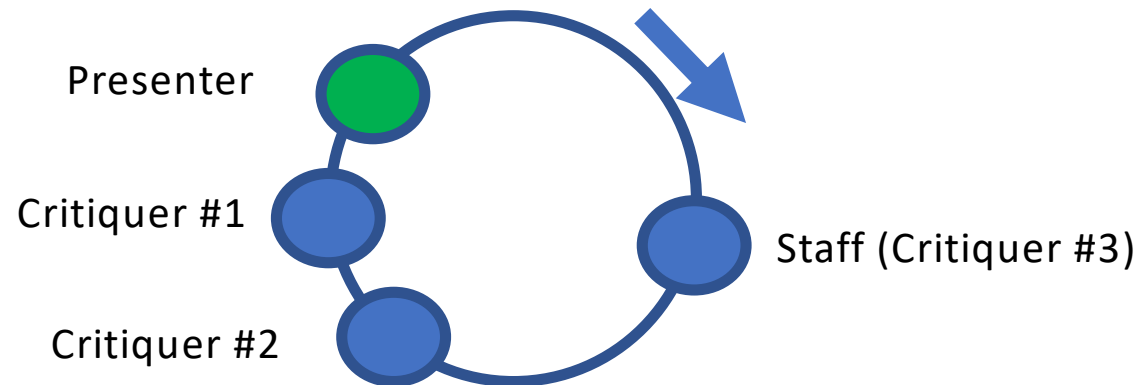
A Walk in the Attic: A movie poster with a black background and a yellow dotted border. The title 'A Walk in the Attic.' is at the top. Below it, the text reads: 'When life falls apart, friends keep it together. Opportunity rocks where you start - It's the Comedy Smash of the expected!'.

The browser window shows a search bar with the address '127.0.0.1:5000' and a taskbar at the bottom with various application icons and system information (5:17 PM, 10/3/2018).

Studio Time: 45 minutes

Critique:

- Present your specific needs
- Present your interface by walking us through a user's path through the system to meet their goal.
- Everyone presents, everyone critiques.
 - **What specific user need is being met?**
 - **Does the graphic design help the user meet their specific need in an intuitive way?**



Today by 9pm – How will you iterate on your graphic design

AND

what is (at least) one feature will you add that requires user accounts

User Accounts

Be aware of "phishing" emails. CUIT will never ask for your password or private personal information via email. Use the main Columbia home page to navigate to password services. Click [here](#) for more information.

 MICE

UNI

lc3251

PASSWORD

Contact CUF

LOGIN

clear

By using these resources, you agree to abide by Columbia University's Acceptable Usage of Information Resources Policy.

Log into Facebook

aspdemo@outlook.com

Password

Log In

or

Create New Account

[Forgot account?](#)

[Not now](#)

One account. All of Google.

Sign in to continue to Gmail



example.

Next

[Need help?](#)

[Create account](#)

 **Hacker News** [new](#) | [comments](#) | [show](#)

Login

username:

password:

Basic elements of Login

Front end:

User actions needed

Register
New Users

Bad: User already exists

Good: created. Now what?

Login

Correct

Incorrect

Logout

Where to send the user next

Using app

Know they are signed in

Back end:

Stuff needed to support user actions

Database of users

Password hashing

What to implement:

Front end: User interface

Back end: Database interaction

Register
New Users

A form

feedback

Validation

Login

A form

feedback

Validation

Logout

A button

nothing

Using app

Reminder you are logged in

nothing



LIONMAIL
@COLUMBIA



What to implement:

Front end:
User interface

Back end:
Database interaction

Register
New Users

A form

feedback

Validation

Login

A form

feedback

Validation

WTForms

Logout

A button

nothing

Using app

Reminder you are logged in

nothing



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Flask_login

Flask_login:

log users in, log users out, know who they are

Add flask_login:

```
from flask_login import LoginManager
```

```
login = LoginManager(app)
```

```
@login.user_loader  
def load_user(id):  
    return User.query.get(int(id))
```

Use flask_login:

```
user = Users.query.get(id)
```

```
login_user(user)
```

```
<div>  
    Hi, {{ current_user.username }}!  
</div>
```

WTForms

Define forms and their validation

Back-end:

Define Form class

```
from flask_wtf import FlaskForm
from wtforms import StringField, PasswordField, BooleanField,
from wtforms.validators import ValidationError, DataRequired,
from app.models import User
```

```
class LoginForm(FlaskForm):
    username = StringField('Username', validators=[DataRequired()])
    password = PasswordField('Password', validators=[DataRequired()])
    remember_me = BooleanField('Remember Me')
    submit = SubmitField('Sign In')
```

Front end:

render form

```
<h1>Sign In</h1>
<form action="" method="post" novalidate>
    {{ form.hidden_tag() }}
    <p>
        {{ form.username.label }}<br>
        {{ form.username(size=32) }}
    </p>
    <p>
        {{ form.password.label }}<br>
        {{ form.password(size=32) }}
    </p>
    <p>{{ form.remember_me() }} </p>
    <p>{{ form.submit() }}</p>
</form>
```

This week's goal: Implement **User Accounts**

- Extend your application by adding one feature that requires user accounts.
 - Define your own high level goal
 - Define 7-10 low level goals you will need to achieve this.
- You must implement **user accounts**
- **Add a feature** to your site that requires user account.
- The **graphic design** should reflect the intent of the application to the user.
 - Please iterate on the graphic design based on your feedback today.

Today by 9pm – How will you iterate on your graphic design

AND

what is (at least) one feature will you add that requires user accounts