

---

---

# Design and Testing Presentation

Yue Wang, Pardeep Rathore, Marcus Tam, Zhaoyang Zhong,  
Zhenwen Zhang

---

---

## Introduction

### ResearchTube:

- Video hosting platform for researchers
- Researchers will upload a summary, and a video will be created with AI api
- Different type of access level: Free, Basic, and Pro
- Client requirements: Front-end and back-end for this application

### User Group:

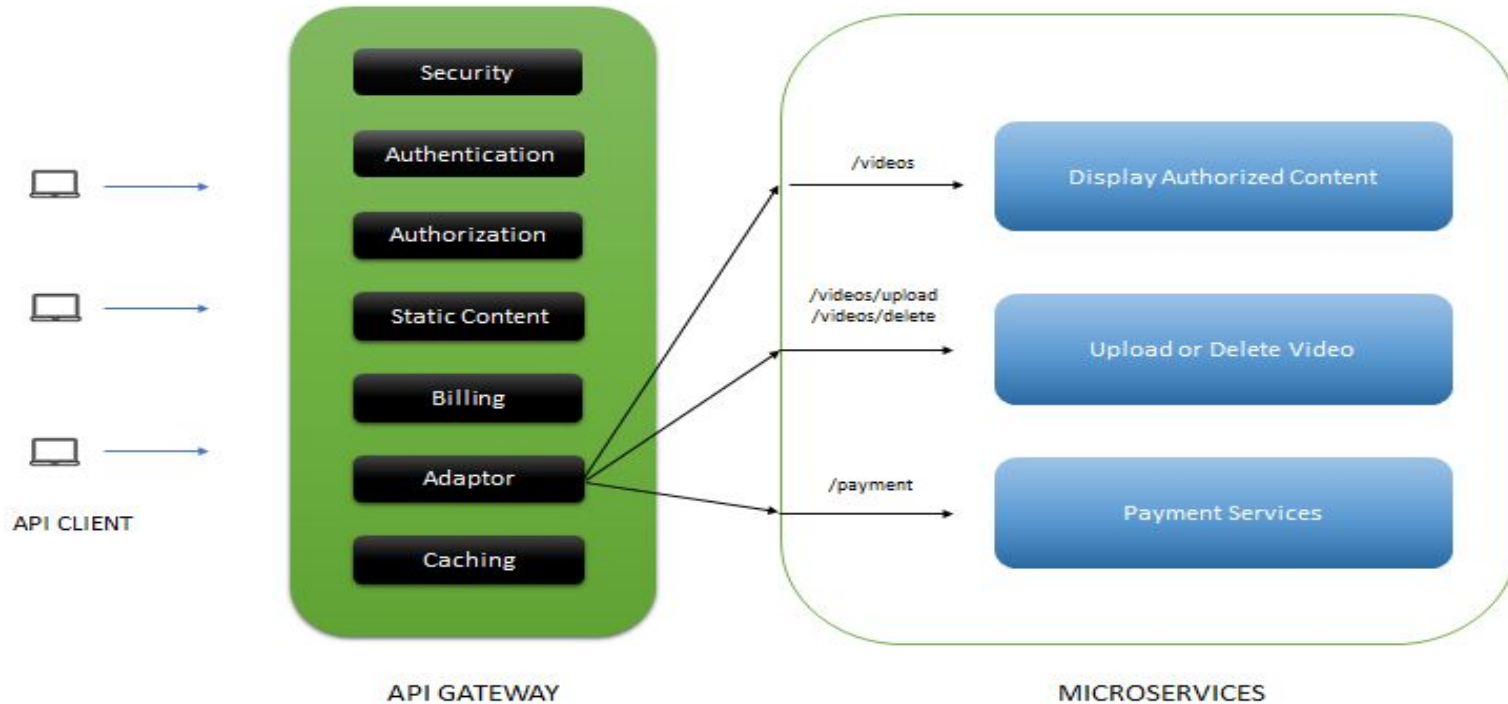
- Researchers
- ResearchTube team

### Aim:

Our aim is to deliver an user friendly UI, safe and scalable web-app

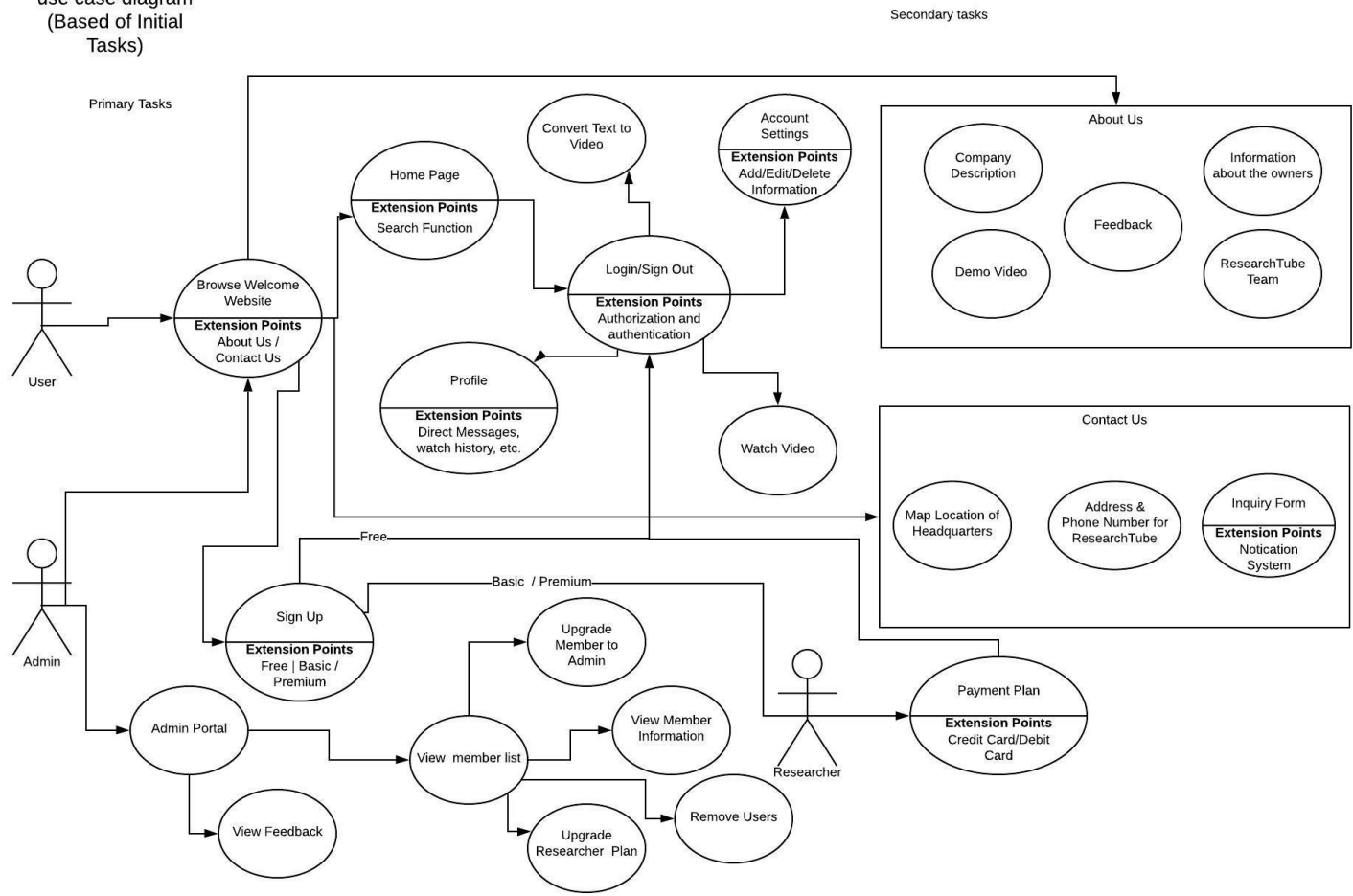
---

# System Architecture

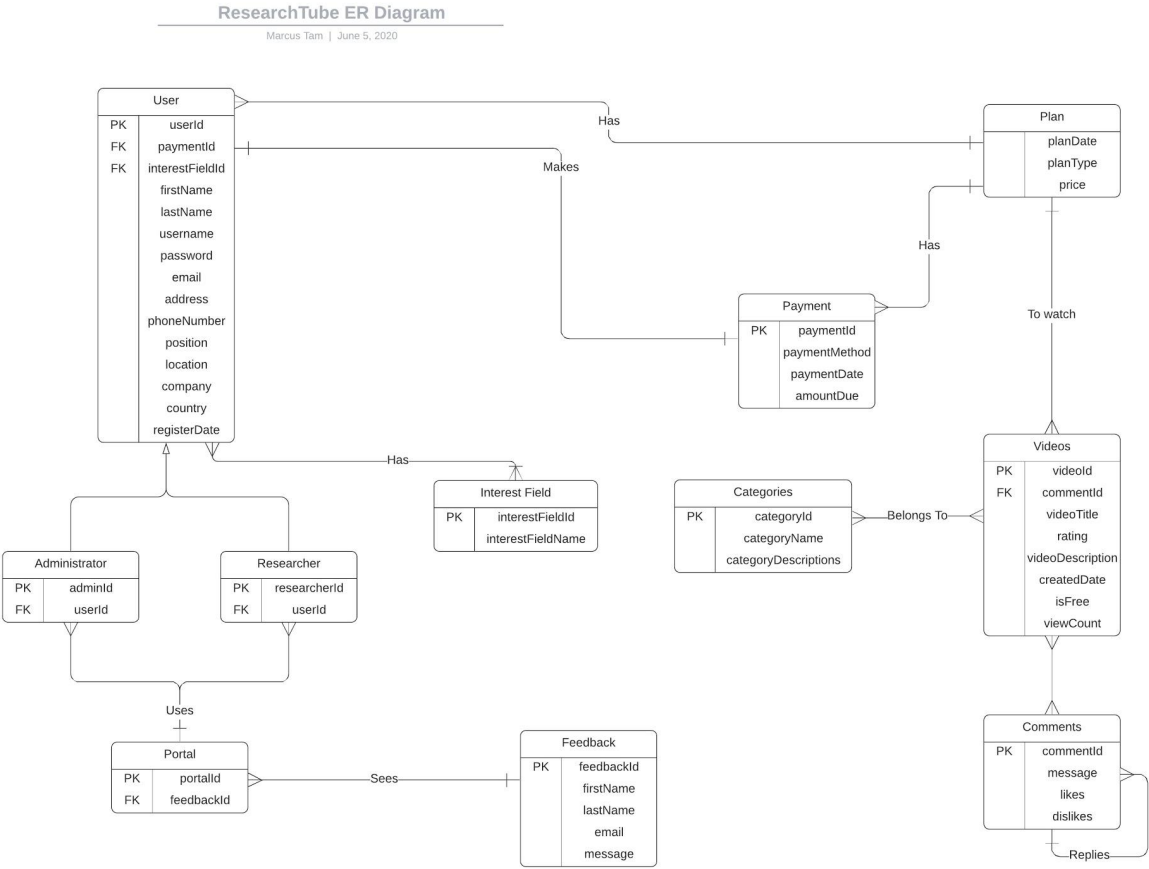


# UML Use Case Diagram

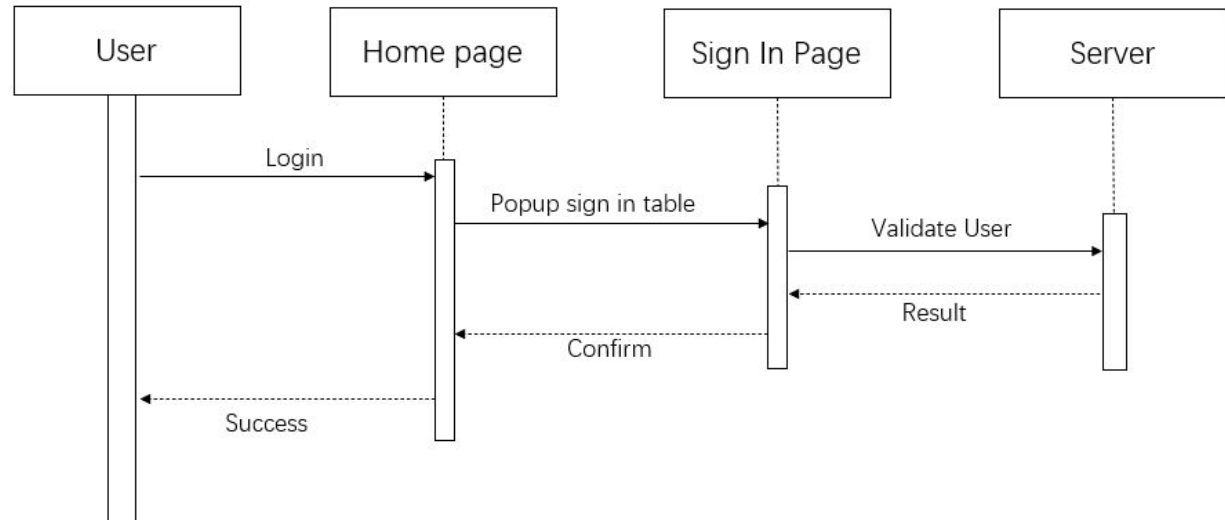
ResearchTube UML  
use case diagram  
(Based of Initial  
Tasks)



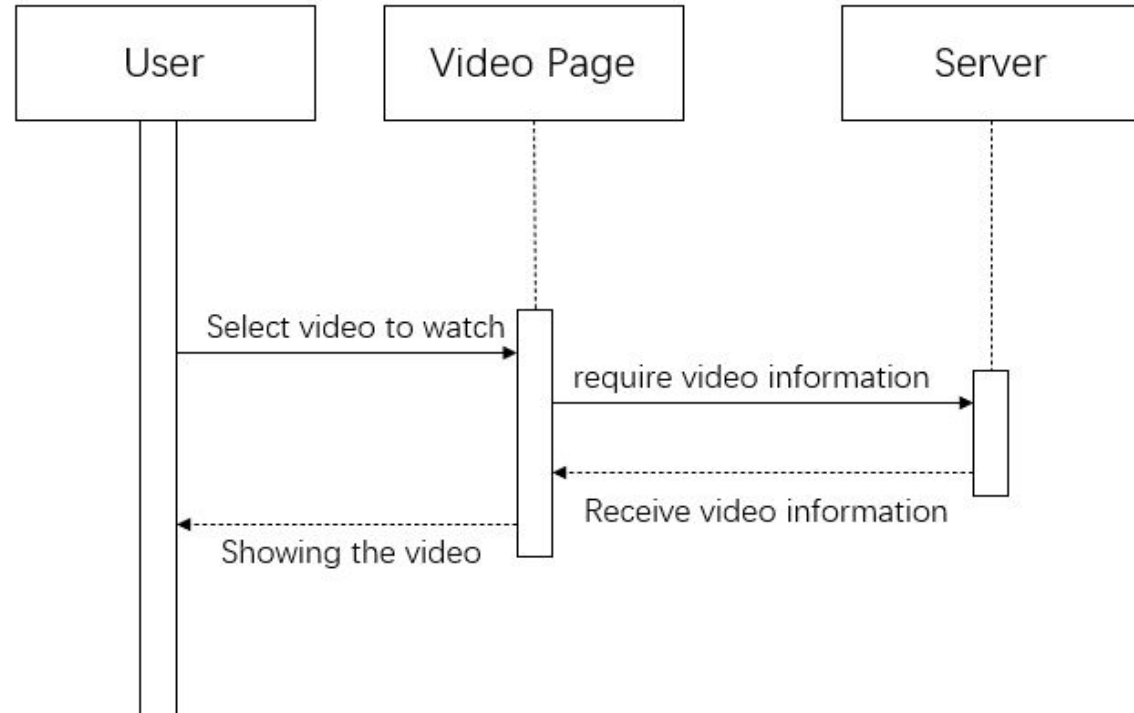
# ER Diagram



## Dynamic Model - Login

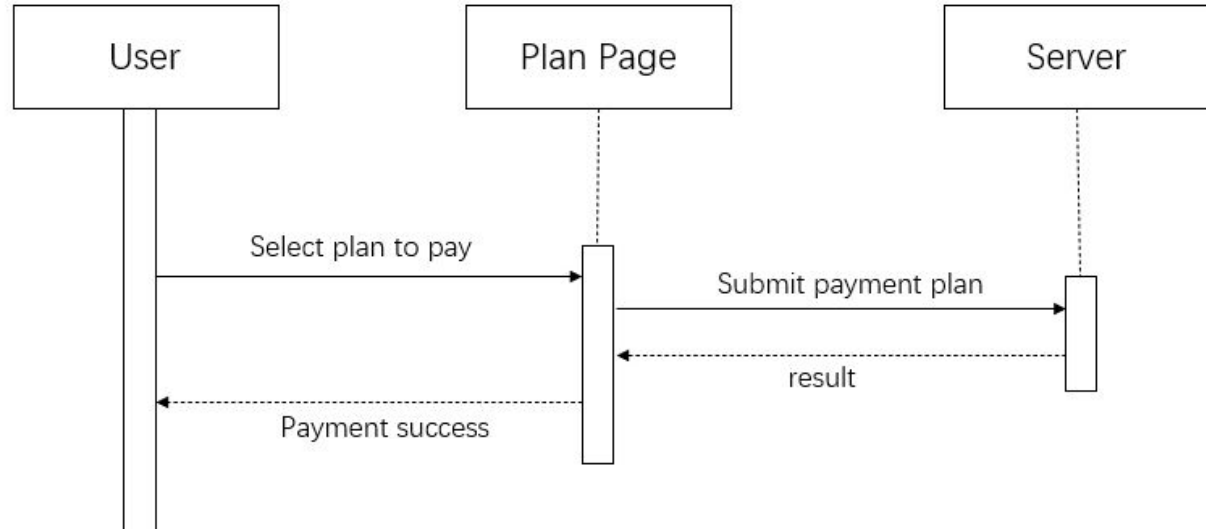


## Dynamic Model - Watch Video



---

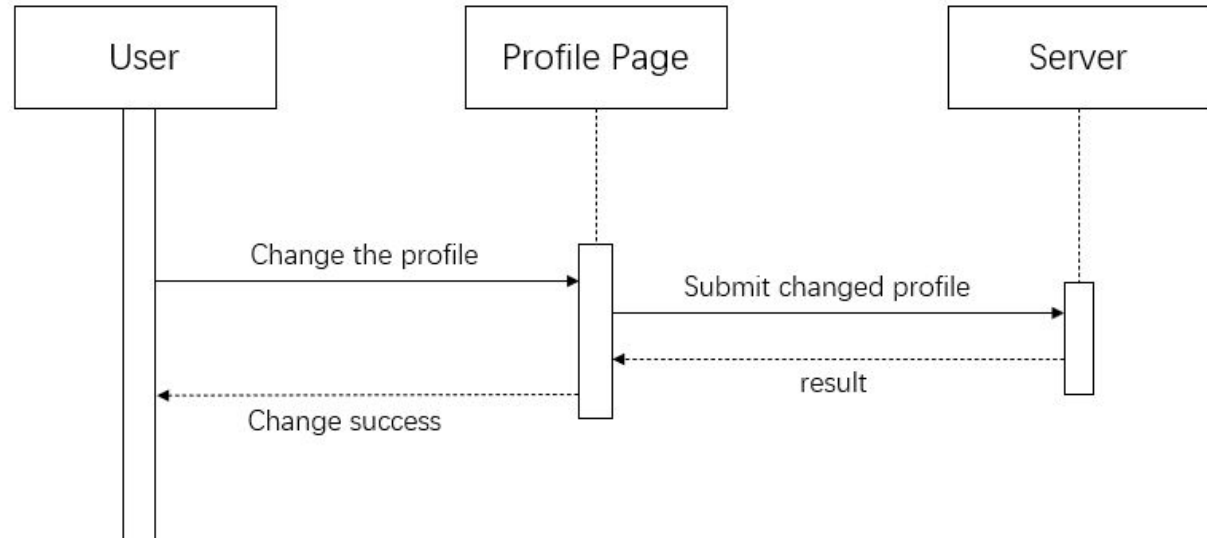
## Dynamic Model - Payment Plan



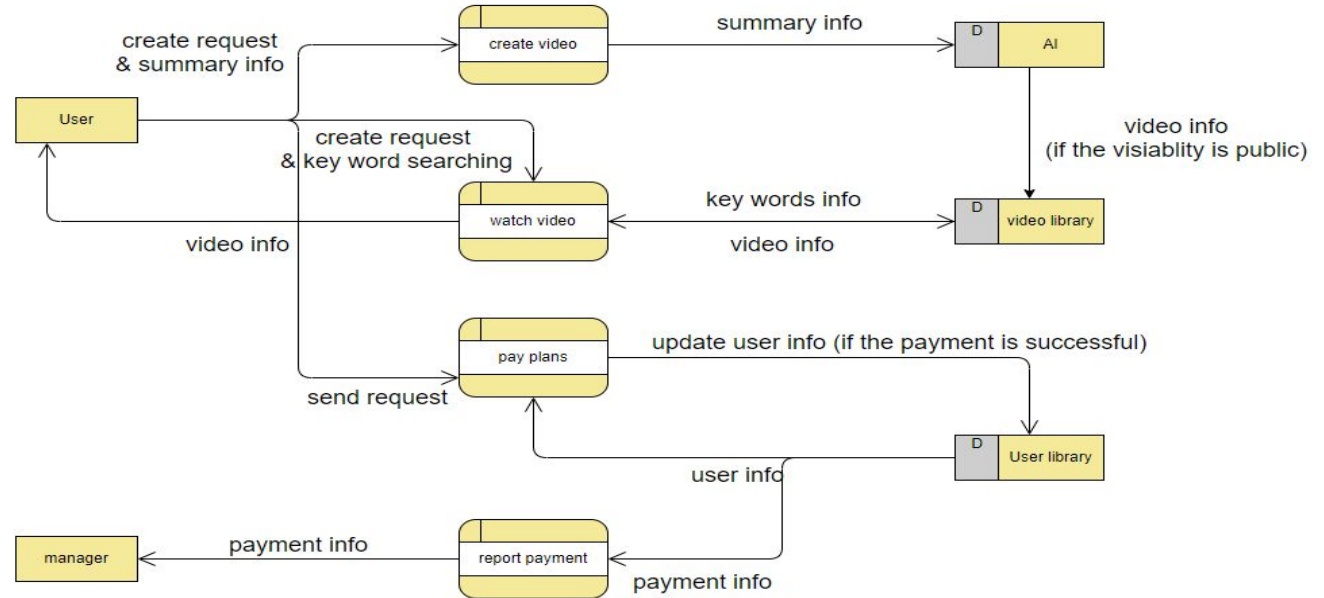


---

## Dynamic Model - Change Profile

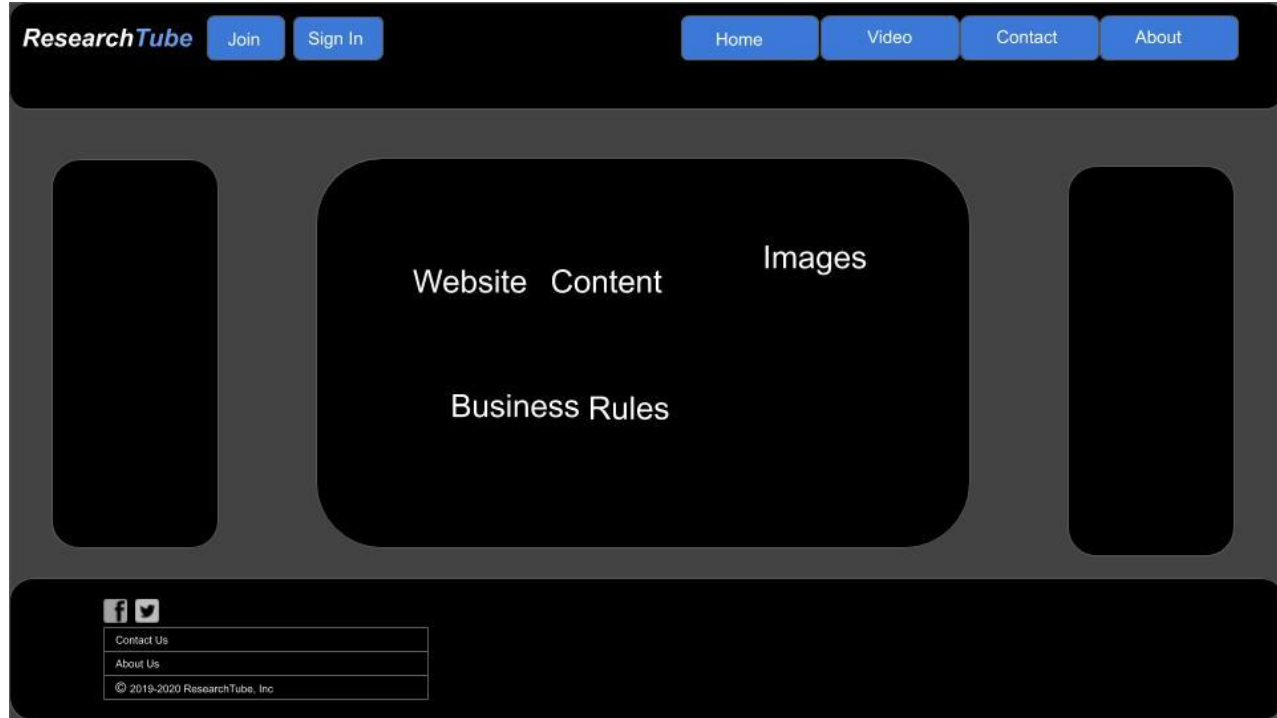


# DFD Diagram



---

# User Interface Design




# Sign up Page

**ResearchTube**

HomeVideoContactAbout

Image

Sign Up



Username

Email

Password

Position

Interest Field

[already have account](#)

Sign Up



Contact Us

About Us

© 2019-2020 ResearchTube, Inc

# Plan Page

**ResearchTube**

HomeVideoContactAbout

Plans

Basic

☒ Function 1

☒ Function 2

☐ Function 3

☐ Function 3

FREE

Select

Standard

☒ Function 1

☒ Function 2

☒ Function 3

☐ Function 3

\$10.99

Select

Premium

☒ Function 1



☒ Function 2

☒ Function 3

☒ Function 3

\$11.99

Select



Contact Us

About Us

© 2019-2020 ResearchTube, Inc.

## Payment Page

**ResearchTube**

HomeVideoContactAbout

Set up your credit or debit card.

First Name

Last Name

Card Number

Expiration Date (MM/YY)

Security Code (CVV)

\$10.99/month

Standard Plan

Change

START MEMBERSHIP

f

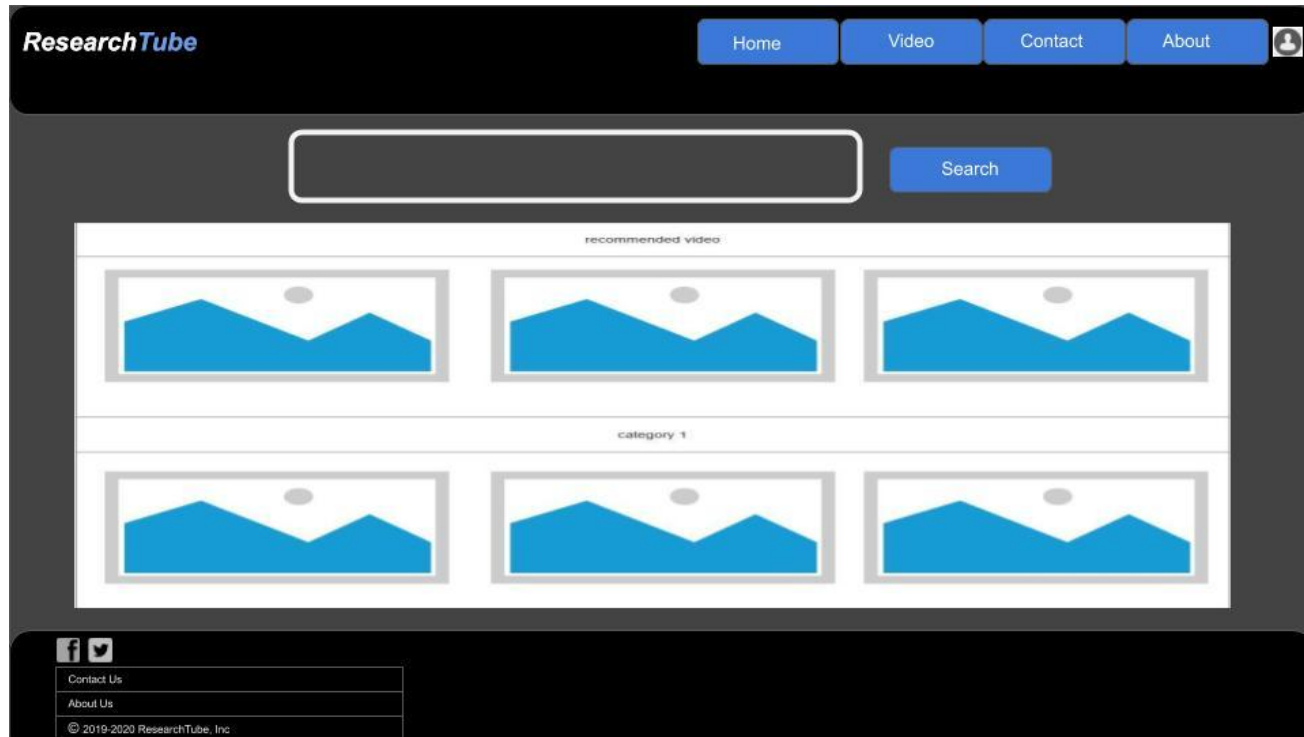
t

Contact Us

About Us

© 2019-2020 ResearchTube, Inc.

# Homepage



You do not have access to this page.  
Please sign up.

Sign up

Sign In



Use facebook to sign up



Use gmail to sign up



Contact Us

About Us

© 2019-2020 ResearchTube, Inc




# Upload Video Page


**ResearchTube**

HomeVideoContactAbout

## Create Video



Upload summary





Choose Style

Title

Description

Create



Contact Us

About Us

© 2019-2020 ResearchTube, Inc.

# Contact Us Page

**ResearchTube**

HomeVideoContactAbout

## Contact Us

Name \*

First


Last

Email \*

Comment or Message \*

Submit



Find us here



Address: 460 Doyle Ave, Kelowna, BC V1Y 0C2

Phone: +1-250-215-9166

Fax: +1-250-215-9166

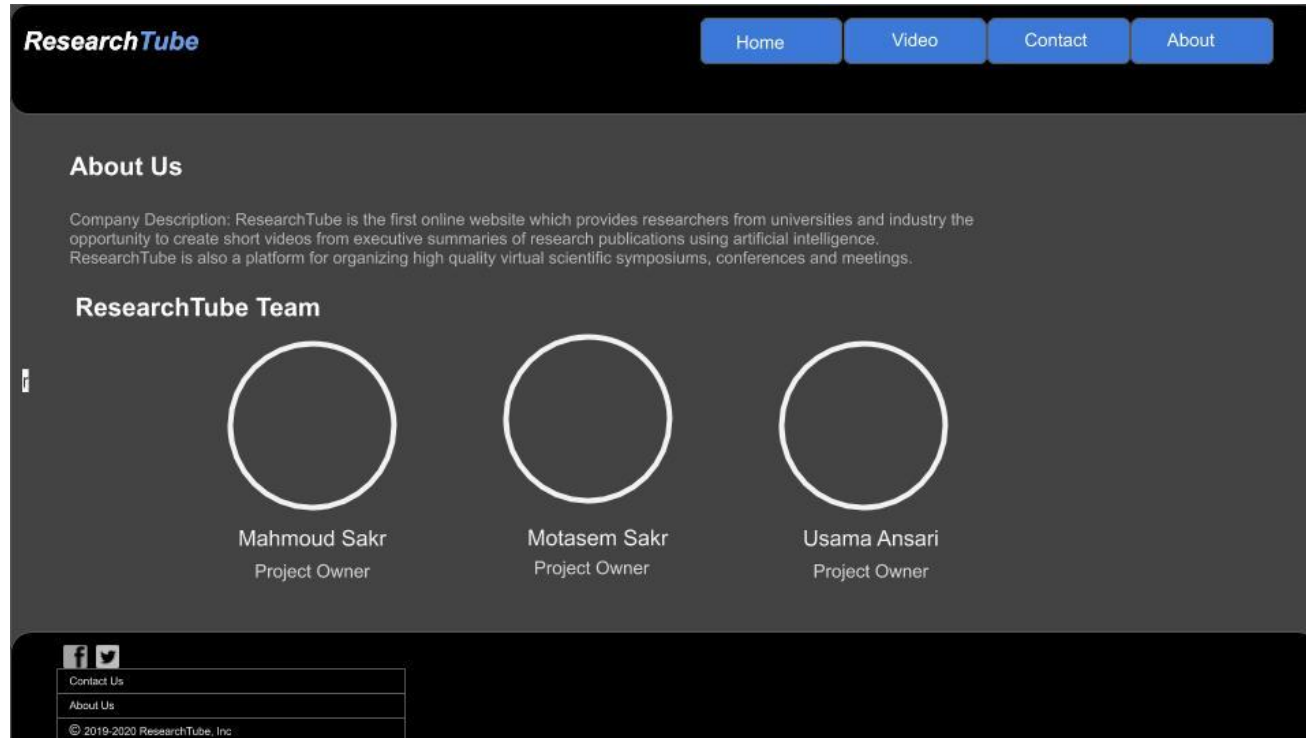


Contact Us

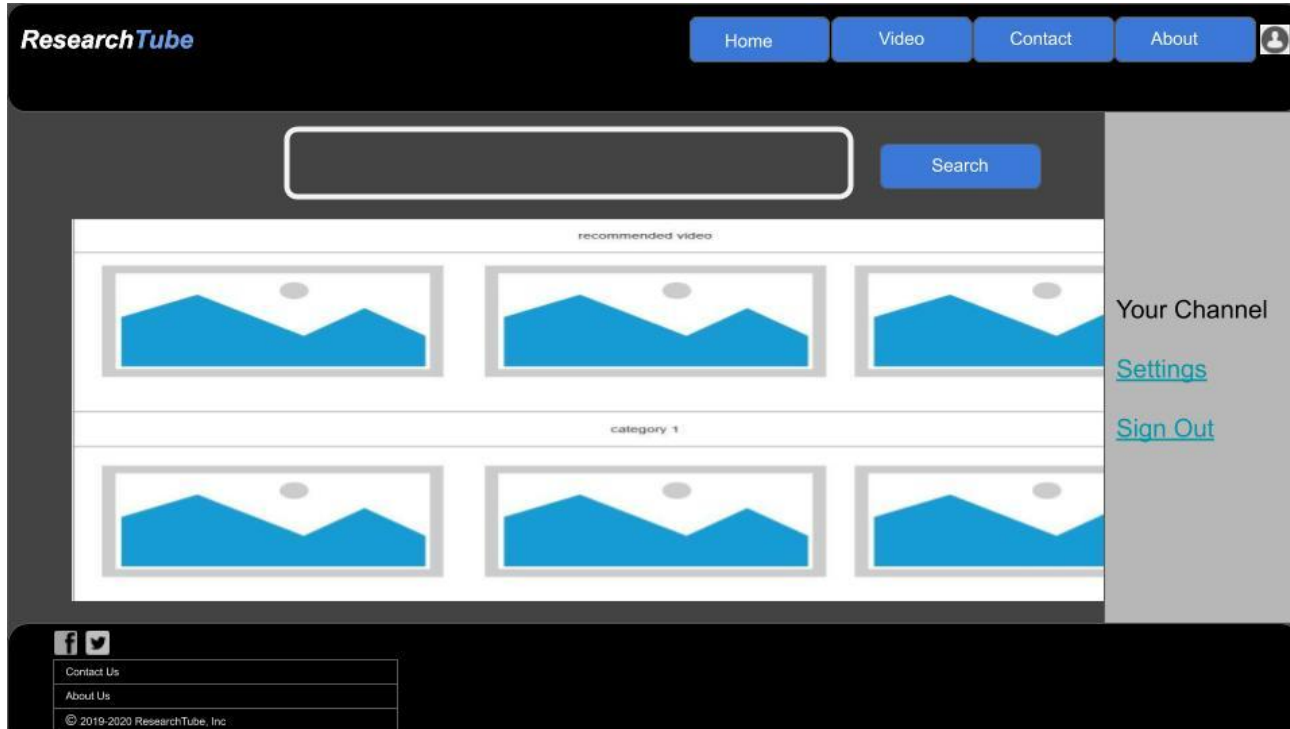
About Us

© 2019-2020 ResearchTube, Inc

# About Us Page



# User Information Drop Down Menu



# Testing

