# Documentation -Project 3

## Purpose

This site is a site allowing users to make and enter contests. The purpose of this site is to allow Premium users to make contests in a simple way and have all users able to view current contests. All users can enter contests. The owner of the contest can then select winners, which allows them to get in contact with the winner through email.

## Profit model

This site is profitable by having two types of accounts. Basic members can create accounts for free. These members have access to all features except creating their own contests. This means they can enter contests and change their mascots. A Basic member can upgrade to Premium by paying $5. This then allows them to also create contests.

## React

I used React for most of the content on the page. The account information, mascots, contests, and form pages are all made using React.

## MVC

### Handlebars

I used handlebars for the error message image. I also pass in the script for the page through a variable in handlebars.

### React

I used react to create all of the different contests, entries, and account information.

## Mongo

I used MongoDB to store account, contest, and entry information. Added features include a validation and number of attempts on the account model, and tags on the contest model..

### Account

Accounts store the user's username, password, email, account type (Basic or Premium), validated (bool), number of login attempts, and chosen mascot.

### Contest

Contests store the name of the contest, owner, description, reward amount in dollars, deadline as a Date, number of entries, winner if one has been chosen, tags as an array of strings, and the mascot of the person who created the contest at the time of its creation.

### Entry

Entries store the name of the entry, owner, content as a String, and the creator's mascot at the time of the entry's creation.

## Above and Beyond

I went above and beyond by using an npm module to allow me to email people on account information change, and contest win.

# Added Features for Project 3

## Validated

When a user signs up for an account, they are sent a confirmation email. They need to click on the link in the email to be able to log in to the main application.

## Forgot Password

If a user forgets their password, they can click on the forgot password button. This will send them to a page where they input their username and email. If they match, an email is sent with a link to reset their password.

## Too Many Attempts

If too many attempts (5) are made to log in to an account unsuccessfully, an email will be sent to the user and their account will be locked. They need to click on the link in the email to be able to reset their password and unlock their account.

## Tags

Contests now have tags, which can be placed on them when the contest is being created. Users cannot create new tags. (The hack for making tags is to go to /addTag with tag as a query parameter)

## Sort/Filters

Contests on the main page can be sorted by various parameters, including title, reward amount, and deadline. Contests can also be filtered based on tag. The filter is an OR rather than AND filter.

# Resources

Below are links to the various images I used as mascots for the website.

https://www.google.com/url?sa=i&source=images&cd=&cad=rja&uact=8&ved=2ahUKEwiXs56ejLThAhXETd8KHYbiBmsQjRx6BAgBEAU&url=https%3A%2F%2Fwww.teepublic.com%2Fkids-long-sleeve-t-shirt%2F3821775-a-chibi-cat-cute&psig=AOvVaw1AZnOIaC78TtepbnEEuthw&ust=1554386796845761

https://stickershop.line-scdn.net/stickershop/v1/product/1235641/LINEStorePC/main.png;compress=true

https://cdn130.picsart.com/240333569031212.png?c256x256

http://www.pngonly.com/wp-content/uploads/2017/06/Chibi-PNG.png

https://cdn130.picsart.com/267539347020211.png?r1024x1024

https://i.pinimg.com/originals/eb/22/af/eb22af20dc843cdb35006d989fc68f91.png

https://i.pinimg.com/originals/ab/0e/32/ab0e32d101a30596f6d578ef9b2ddcfc.png

https://cdn.shopify.com/s/files/1/0035/2780/2947/products/Aqua\_Chibi.png?v=1548374431

https://sitejerk.com/images/chibi-anime-transparent-18.png

https://t4.rbxcdn.com/0f10ff82ef435b5d2efdc4326c35025c

http://www.clipartroo.com/images/2/dancing-cat-clipart-2371.png

https://cdn140.picsart.com/250793225015212.png?r1024x1024

https://i.pinimg.com/originals/16/dc/4a/16dc4acec69db0475f914d321c41baa8.png

https://i.pinimg.com/originals/db/07/60/db0760264565fd102cae21e30f2c6b8c.png

https://i.pinimg.com/originals/fb/05/05/fb0505597648eb91aac727c90d1278f6.png

https://image.spreadshirtmedia.com/image-server/v1/mp/designs/1017113915,width=178,height=178,version=-1805842648/dog-pomerania-chibi.png

https://images-wixmp-ed30a86b8c4ca887773594c2.wixmp.com/f/8af292a3-55d6-4688-9e80-a1171eccd347/d8rkjhl-74e3a7d9-c40a-4b48-ac09-765f9b85293c.png?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1cm46YXBwOjdlMGQxODg5ODIyNjQzNzNhNWYwZDQxNWVhMGQyNmUwIiwiaXNzIjoidXJuOmFwcDo3ZTBkMTg4OTgyMjY0MzczYTVmMGQ0MTVlYTBkMjZlMCIsIm9iaiI6W1t7InBhdGgiOiJcL2ZcLzhhZjI5MmEzLTU1ZDYtNDY4OC05ZTgwLWExMTcxZWNjZDM0N1wvZDhya2pobC03NGUzYTdkOS1jNDBhLTRiNDgtYWMwOS03NjVmOWI4NTI5M2MucG5nIn1dXSwiYXVkIjpbInVybjpzZXJ2aWNlOmZpbGUuZG93bmxvYWQiXX0.DkuJxfMFdSje3KBFWrHObGGCsswmSSwtz9k5SKF7w0U

http://clipart-library.com/images/8ixno4AbT.png