

Team Name: Catsino

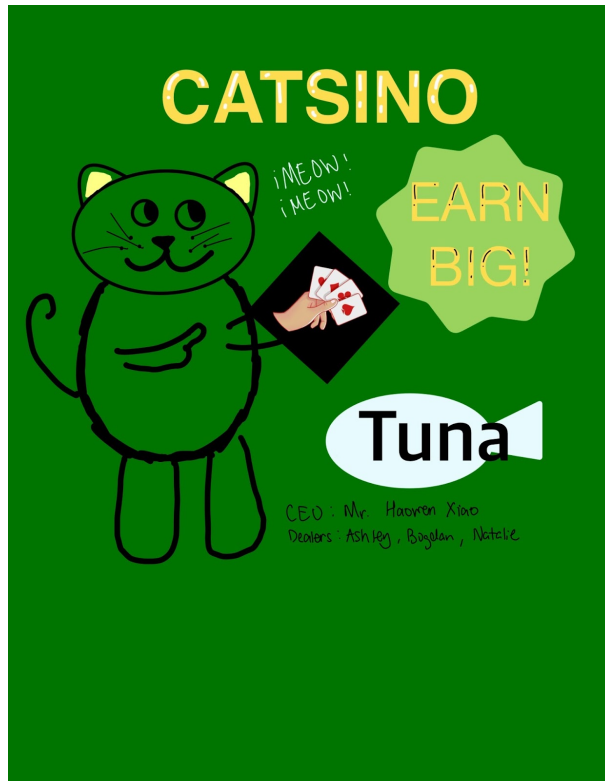
Roster: Haowen Xiao, Ashley Li, Natalie Keiger, Bogdan Sotnikov

Website name: Catsino

Numbers: ashley 7182230447, natalie 9173400955, haowen 7189058986, bogdan 9293024747

Username: .natalien, ichikami, _ashleee, sotb

TSD: 12/23/25





| Task Name | Description | Name | Due | Done |
|--|--|----------------------------------|---------|------|
| Site map | | Ashley | 12/2/25 | ye ▾ |
| List of program components + description | | Natalie & Bogdan Maybe Haowen | 12/2/25 | ye ▾ |
| API descriptions | | Bogdan | 12/2/25 | ye ▾ |
| Component map | | Natalie | 12/2/25 | ye ▾ |
| DB organization | | Ashley | 12/2/25 | ye ▾ |
| Readme | | Haowen | ? | no ▾ |
| Roulette | Each number has attributes like value, color, and whether it's even or odd. The values will be stored in a table. Users will have the choice to bet on value, even/odd, and color. A randomizer will select a number from 1 to 36, and the chosen number will be checked for any matches to the bet. | Ashley | | no ▾ |

| | | | | |
|-------|---|---------|--|------|
| | Bet on even/odd, red/black/green(1/36), also individual numbers | | | |
| Slots | | Natalie | | no ▾ |

| Roles | Name | Done? |
|---------------|-------------|-------|
| Blackjack | Haowen Xiao | |
| Roulette | Ashley | |
| Write poker | Bogdan | |
| Frontend | Ashley | |
| Slot machines | Natalie | |

Component Descriptions:

★ Sign up:

- Allows users to create a new account
- Checks if user 1) entered both fields and 2) already exists, then allows for account creation
- Checks if account already exists, if not allows for creation and redirects to login page

★ Login

- Checks if users 1) entered both fields and 2) already exists, then allows for account login
- Redirects to home page, also has a button to lead to signup page

★ Home

- Directs to all games (poker, slot, blackjack, roulette) plus logout and store
- Welcomes user and displays stats (wins, tuna amount, etc)

★ GAMES: use **evil insults API** when players lose tuna

BLJ (Blackjack):

- Allows users to play blackjack
- Uses **card API**

Slots:

- Allows users to play on a slot machine

RL (roulette):

- Allows users to play roulette

Poker:

- Allows users to play poker
- Uses **card API**

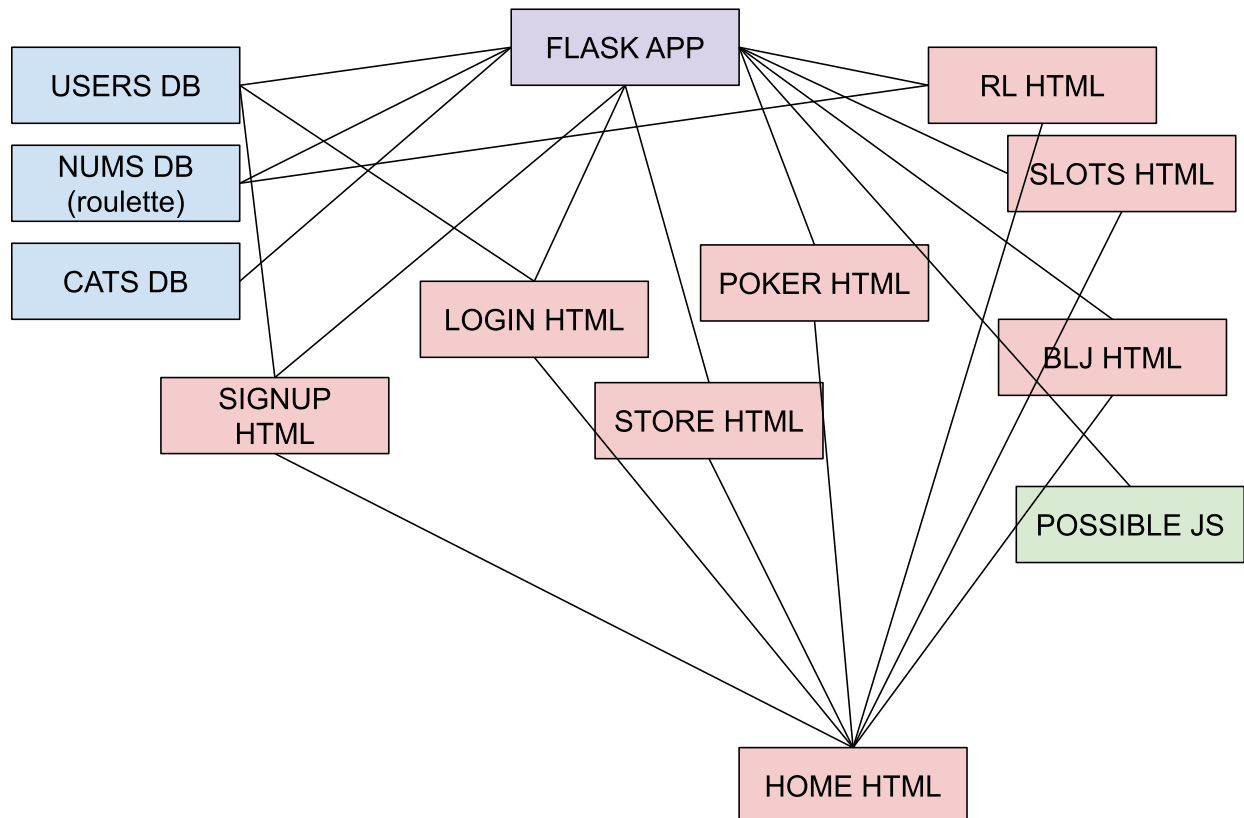
★ Store:

- Users can purchase cat icons with tuna won from games
- Having a new icon costs a set amount (coming from **cat API**)

★ Currency (tuna):

- Users start with a set amount to bet
- Allowed to be used in the store to change player icon

Component Map:



APIS:

[Deck of Cards API](#)

Can create multiple decks of cards at a time, draw, and reshuffle them. Can also create piles and partial decks. This will be used to draw cards for Blackjack and Poker. The piles feature can also be used as the different players' hands. Cards can be moved between piles and decks. Interaction with the API is done entirely through GET.

[The Cat API](#)

Returns images and statistics of cats by breed. Can be used to get cat pictures for profiles/players/dealers. Also useful for a potential collectible cat card feature.

[Evil Insult API](#)

Returns an insult and its source by language. Can be used to insult the user for losing.

DB Organization

USERS DB

| ID (int) | Username (str) | Password (str) | Tuna (int) | Main cat id (int) | Cats (int list) |
|----------|----------------|----------------|------------|-------------------|-----------------|
| 1 | user | pass | 12 | 3 | [4, 5, 3, 2] |
| | | | | | |

CATS DB

| id (int) | img (str) | Rarity (str) | name (str) | Cost (int) |
|----------|---|--------------|------------|------------|
| 3 | https://external-content.duckduckgo.com/iu/?u=https%3A%2F%2Fimages.pexels.com%2Fphotos%2F20787%2Fpexels-photo.jpg%3Fcs%3Dsrgb%26dl%3Danimal-cat-adorable-20787.jpg%26fm%3Djpg&f=1&nofb=1&ipt=8d29bf65551e1f35e585ea7cc8e32cf6e5ade45f7cfb08a2a8948bcbcf83dbf8 | ultrarare | Jeff | 40 |
| | | | | |

NUMS DB

| ID (int) | Suit (str) | Val (int) | Color (str) |
|----------|------------|-----------|-------------|
| 2 | hearts | 12 | Black |
| | | | |

Site map

