Name: Ko Jia Ling

Admin No: 190681D

Class: IT1552-03

Website link: <https://webdevretrograde.000webhostapp.com/>

The website ***does not require a server to run***. It can function in the file itself. The website link is merely to fulfil the criteria “Website is served from the Internet”.

Please read the following documentation on my website’s features as there may be some that will be overlooked if not explained.

**General functions**

settings.html & myTransactions.html are only accessible when logged in.

login.html is only accessible when logged out.

formData.html & redemption.html are only accessible when logged into Admin account.

Any attempt to visit the above pages when conditions are not met will result in the user being redirected to the last visited page.

Website currency is called ‘bytes’, icon is a lightning bolt.

**Admin account**

Username: Admin

Password: Admin123

formData.html & redemptionData.html (exclusive to Admin account)

* Forms submitted will be displayed in accordion style.
* If unauthorized user tried to access this page via changing the website url, they will be redirected to the last visited page instead.

**Features of Retrograde**

index.html

* Home page
* Animation
* Carousel to display games

games.html

* Shows all games (available and coming soon)
* Search bar

games-snake.html

* Snake game
* Game comes in 2 modes – normal and fast
* How to play (? icon below the breadcrumb)
* Features if user logs in:
  + Personal Best
  + Score can be displayed on leaderboard
  + Purchase/Change snake color (Gear icon below the breadcrumb)

games-puzzle.html

* Drag and drop puzzle game
* Has 4 different pictures
* How to play (? icon below the breadcrumb)
* Features if user logs in:
  + Personal Best
  + Score can be displayed on leaderboard

community.html

* View all users in the Retrograde community
* Select user that you wish to see more info of (will be redirected to viewUser.html)

viewUser.html

* Date joined
* Exp
* Total games played
* Games played & High score for both games

contact.html

* Submitted form data will be stored in local storage
* Admin account will be able to view all submitted forms (formData.html)

login.html

* Authenticate users that log in.
* Upon successful log in, user will be redirected to the last page they were on.
* Create new account.
  + Email
    - Allow users to create multiple account using same email since ‘forget password’ feature is not available. Email is used more for administrative purposes (in case need to contact the user etc) and for the referral code system.
  + Username
    - Case sensitive. eg. the username ‘esther’ is allowed even if the username ‘Esther’ is taken.
    - Only alphabets, numbers and underscores are allowed.
  + Password complexity
    - Between 8-20 characters
    - Minimum 1 uppercase, 1 lowercase & 1 number
  + Referral code
    - The new user and the user that referred them will gain 50 bytes. User will be notified that someone used their referral code the next time that they log in.
    - To prevent people from taking advantage of the referral code system, users that already have an account registered are not allowed to use a referral code when registering a second account using the same email.

settings.html

* Change profile picture
* Change username
* Change password
* Referral code
* Clicking the copy icon will copy to the user’s clipboard a message to share with their friends.

redemption.html (pre-programmed Admin account to have enough bytes to purchase, can test using that)

* Search bar
* Redeem items
* Checkout for items

myTransactions.html

* View user’s previous redemptions