QuackstagramHomeUI

Responsibilities

- Creates JFrame
- contains GUI for Home page (and other GUI components like Header and NavBar)
- handles likes
- Communicates in general directly with the database (txt files)
- Redirects user to other pages

Methods

- Constructor
  - sets/modifies JFrame
  - creates NavigationBar and header
- initializeUI
- populateContentPanel
- handleLikeAction
  - Method reads data from txt file and updates the like count
- createSampleData
- createIconButton
- displayImage
  - reads image file, then it creates a JPanel and adds the picture with a like button etc. to the JPanel and adds that to the screen
- refreshDisplayImage
  - read updated likes count from image_details
- createIconButton
- openProfileUI
  - opens the InstagramProfileUI frame
- notificationUI
- ImageUploadUI
- openHomeUI
- exploreUI

Requirements

The Home UI needs all of these functionalities:
(But obviously not all in one class)

- Communicate with Database (and UI) (txt files in our case)
  - Handle Likes
  - Get User's Information
  - Get Images for the user
- GUI
  - Build Header
  - Build Navbar
  - Build body of the actual page
    - Build Post Container
    - Build Post (Image, Like Button, Comment Button)
  - (Update post)