Twitter

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I. Description

II. Tech Stack

- **Front end**: HTML/CSS, JavaScript for an interactive UI
- **Back end**: Java for more complicated algorithms and objects
- **Database**: MySQL to store data persistently

III. Features

- **Sign in / Sign up**
    1) Restricted to minimum age of 13
    2) Username is unique to each user
- **Profile**
  Each user has a profile which includes:
    1) Custom display name
    2) Display picture
    3) Bio containing short description of the user
    4) Details including date of birth, location and website
    5) Date of joining the platform
    6) Posts liked by the user
    7) Tweet history of the user
    8) List of followers
    9) List of users being followed
- **Posts**
  Create or delete a tweet.
  They can be scheduled to be posted in the future.
  A post can contain:
    1) Text (upto 280 characters)
    2) Photos (upto 4 photos)
    3) Video (upto 140 seconds)
    4) Gif (upto 1 gif)
    5) Poll
    6) Content and spoiler warnings
    7) Tags and reply permissions
  The following actions can be taken on a tweet:
    1) Reply
    2) Retweet
    3) Like
    4) Share
    5) Report
    6) Bookmark

- **Direct messages**
    1) Accept or deny requests for direct messages
    2) These messages can also contain media
- **Feed**
    1) Promoted posts
    2) Depending on popularity, and users under following
    3) Suggested to follow
    4) Mute users from feed
- **Search**
    1) Search for posts and users
    2) Results based on hashtags
- **More**
    1) Block a user
    2) Admins can ban users having many reports
    3) Spam protection
    4) Notifications from replies, tags and likes.
- **Settings**
    1) Change password
    2) Deactivate account
    3) Change font size
    4) Switch between dark and light mode
    5) Notification settings