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Design Plan – Social Media Application

Architecture

* Web Browser
* Web server / https
* Database for users and user content (pictures)
* Storage

Web Server Interface

* Login
  + Registration to database (email, password)
  + Login (email, password)
  + Account Setup (Name, Profile Picture)
* Content Creation
  + Create Post (text, content(optional))
  + Upload Content(image, video)
  + Delete Content(post, text, image, video)
  + Edit Content(post, text, image, video)
* Content Viewing
  + View Friends Posts(text + content)
  + List all posts in once location

Database Schema

* User
  + Name, Email, ContentStorageID
* Content
  + ContentStorageID, content(image, video, text)

Users can be friends with other users via foreign key of email which should be unique. N:N

Users can have many postings of content which can be linked via a foreign key of ContentStorageID. 1:N