Web Application Architectures

Module 2: Ruby on Rails
Lecture 3: The Blog App – Iteration 1

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Blog App – Specifications

- Let's build a more substantial web application.

- The Blog Application, usage specficiations:
    – Blog is a contraction of "weblog," a discussion or information site published on the Web.
    – There are two types of users: the blog administrator and blog users.
    – The blog administrator should be able to enter new postings, typically in reverse chronological order.
    – Users should be able to visit the blog site, and enter comments about particular postings.
    – The blog administrator should be able to modify/remove any posting or comment.
    – Users should *not* be able to modify postings or other users' comments.

Blog App – Initial Steps

- First create the rails application using:

  ```
  $ rails new blog
  ```

- Next, in the blog app directory, use the scaffold generator to create the MVC components needed for posts and comments:

  ```
  $ rails generate scaffold post title:string \
    body:text

  $ rails generate scaffold comment post_id:integer \
    body:text
  ```

- Now, create the post and comment database tables using:

  ```
  $ rake db:migrate
  ```

- If you type:

  ```
  $ rake routes
  ```

  a list of all the URLs currently recognized by your application will be provided.

- Start the web server:

  ```
  $ rails server
  ```

  and point your browser to: http://localhost:3000

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At this point, I'd like you to create this blog application on your own, and demonstrate that you can perform CRUD operations on posts and comments.

- Create
- Read
- Update
- Destroy