User

- userld: int - roleld: int
- firstName: String lastName: String
- lastName: StringemailUrl: String
- password: String
- + getters/setters
- + hashCode()
- + equals()

StaticPage

- staticPageId: int
- userld: int
- title: String
- content: String
- + getters/setters
- + hashCode()
- + equals()

Category

- categoryld: int
- name: String
- descriptuon: String
- + getters/setters
- + hashCode()
- + equals()

Post

- postld: int
- userld: int
- categoryld: int
- title: String
- published: Boolean
- createdAt: LocalDateTime
- editedAt: LocalDateTime
- publishedAt: LocalDateTime
- expiryDate: LocalDateTime
- tags: List<Tag>
- category: Category
- + getters/setters
- + hashCode()
- + equals()

Tag

- tagld: int - name: String
- + getters/setters
- + hashCode()
- + equals()

<<Enumeration>> Role

Admin User

<CapstoneBlogUserDao

- + getUserById(int id): User
- + getAllUsers(): List<User>
- + addUser(User user): User
- + editUser(User user): void
- + deleteUser(User user): void

<<Interface>> CapstoneBlogCategoryDao

- + getCategoryById(int id): Category
- + getAllCategories(): List<Category>
- + addCategory(Category cat): Category
- + editCategory(Category cat): void
- + deleteCategory(Category cat): void

< < CapstoneBlogStaticPageDao

- + getPageById(int id): StaticPage
- + getAllPages(): List<StaticPage>
- + addPage(StaticPage page): StaticPage
- + editPage(StaticPage page): void
- + deletePage(StaticPage page): void

< CapstoneBlogTagDao

- + getTagById(int id): Tag
- + getAllTags(): List<Tag>
- + addTag(Tag tag): Tag
- + editTag(Tag tag): void
- + deleteTag(Tag tag): void

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CapstoneBlogPostDao

- + getPostById(int id): Post
- + getAllPost(): List<Post>
- + getAllPublishedPosts(): List<Post>
- + addPost(Post post): Post
- + editPost(Post post): void
- + deleteCategory(Category cat): void
- + getPostsForCategories(int categoryId): List<Post>
- + getPostsForTags(List<Tag> tags): List<Post>
- + getPostsByCategoryAndTag(Category cat, List<Tag>): List<Post>