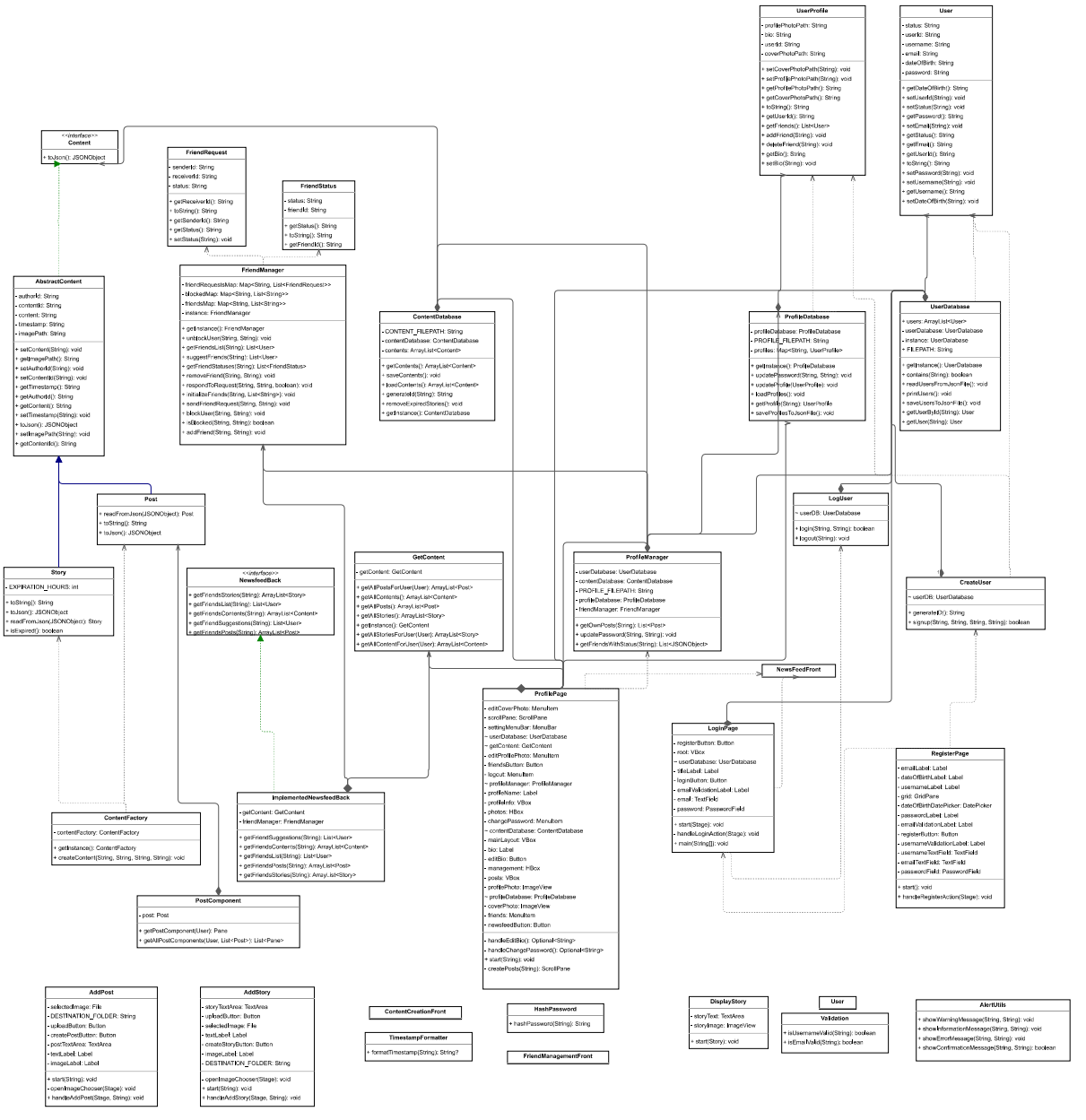
UserProfile
- profilePhotoPath: String
- bio: String
- userId: String
- coverPhotoPath: String
+ setCoverPhotoPath(String): void
+ setProfilePhotoPath(String): void
+ getProfilePhotoPath(): String
+ getCoverPhotoPath(): String
+ toString(): String
+ getUserId(): String
+ getFriends(): List<User>
+ addFriend(String): void
+ deleteFriend(String): void
+ getBio(): String
+ setBio(String): void
User
- status: String
- userId: String
- username: String
- email: String
- dateOfBirth: String
- password: String
+ getDateOfBirth(): String
+ setUserId(String): void
+ setStatus(String): void
+ getPassword(): String
+ setEmail(String): void
+ getStatus(): String
+ getEmail(): String
+ getUserId(): String
+ toString(): String
+ setPassword(String): void
+ setUsername(String): void
+ getUsername(): String
+ setDateOfBirth(String): void
<<interface>>
Content
+ toJson(): JSONObject
FriendRequest
- senderId: String
- receiverId: String
- status: String
+ getReceiverId(): String
+ toString(): String
+ getSenderId(): String
+ getStatus(): String
+ setStatus(String): void
FriendStatus
- status: String
- friendId: String
+ getStatus(): String
+ toString(): String
+ getFriendId(): String
AbstractContent
- authorId: String
- contentId: String
- content: String
- timestamp: String
- imagePath: String
+ setContent(String): void
+ getImagePath(): String
+ setAuthorId(String): void
+ setContentId(String): void
+ getTimestamp(): String
+ getAuthorId(): String
+ getContent(): String
+ setTimestamp(String): void
+ toJson(): JSONObject
+ setImagePath(String): void
+ getContentId(): String
FriendManager
- friendRequestsMap: Map<String, List<FriendRequest>>
- blockedMap: Map<String, List<String>>
- friendsMap: Map<String, List<String>>
- instance: FriendManager
+ getInstance(): FriendManager
+ unblockUser(String, String): void
+ getFriendsList(String): List<User>
+ suggestFriends(String): List<User>
+ getFriendStatuses(String): List<FriendStatus>
+ removeFriend(String, String): void
+ respondToRequest(String, String, boolean): void
+ initializeFriends(String, List<String>): void
+ sendFriendRequest(String, String): void
+ blockUser(String, String): void
+ isBlocked(String, String): boolean
+ acceptFriend(String, String): void
ContentDatabase
- CONTENT_FILEPATH: String
- contentDatabase: ContentDatabase
- contents: ArrayList<Content>
+ getContents(): ArrayList<Content>
+ saveContents(): void
+ loadContents(): ArrayList<Content>
+ generateId(String): String
+ removeExpiredStories(): void
+ getInstance(): ContentDatabase
ProfileDatabase
- profileDatabase: ProfileDatabase
- PROFILE_FILEPATH: String
- profiles: Map<String, UserProfile>
+ getInstance(): ProfileDatabase
+ updatePassword(String, String): void
+ updateProfile(UserProfile): void
+ loadProfiles(): void
+ getProfile(String): UserProfile
+ saveProfilesToJsonFile(): void
UserDatabase
+ users: ArrayList<User>
- userDatabase: UserDatabase
- instance: UserDatabase
- FILEPATH: String
+ getInstance(): UserDatabase
+ contains(String): boolean
+ readUsersFromJsonFile(): void
+ printUsers(): void
+ saveUsersToJsonFile(): void
+ getUserById(String): User
+ getUser(String): User
Post
+ readFromJson(JSONObject): Post
+ toString(): String
+ toJson(): JSONObject
LogUser
~ userDB: UserDatabase
+ login(String, String): boolean
+ logout(String): void
Story
- EXPIRATION_HOURS: int
+ toString(): String
+ toJson(): JSONObject
+ readFromJson(JSONObject): Story
+ isExpired(): boolean
<<interface>>
NewsfeedBack
+ getFriendsStories(String): ArrayList<Story>
+ getFriendsList(String): List<User>
+ getFriendsContents(String): ArrayList<Content>
+ getFriendSuggestions(String): List<User>
+ getFriendsPosts(String): ArrayList<Post>
GetContent
- getContent: GetContent
+ getAllPostsForUser(User): ArrayList<Post>
+ getAllContents(): ArrayList<Content>
+ getAllPosts(): ArrayList<Post>
+ getAllStories(): ArrayList<Story>
+ getInstance(): GetContent
+ getAllStoriesForUser(User): ArrayList<Story>
+ getAllContentForUser(User): ArrayList<Content>
ProfileManager
- userDatabase: UserDatabase
- contentDatabase: ContentDatabase
- PROFILE_FILEPATH: String
- profileDatabase: ProfileDatabase
- friendManager: FriendManager
+ getOwnPosts(String): List<Post>
+ updatePassword(String, String): void
+ getFriendsWithStatus(String): List<JSONObject>
CreateUser
~ userDB: UserDatabase
+ generateID(): String
+ signup(String, String, String, String): boolean
NewsFeedFront
ProfilePage
- editCoverPhoto: MenuItem
- scrollPane: ScrollPane
- settingMenuBar: MenuBar
~ userDatabase: UserDatabase
- getContent: GetContent
- editProfilePhoto: MenuItem
- friendsButton: Button
- logout: MenuItem
- profileManager: ProfileManager
- profileName: Label
- profileInfo: VBox
- photos: HBox
- changePassword: MenuItem
~ contentDatabase: ContentDatabase
- mainLayout: VBox
- bio: Label
- editBio: Button
- management: HBox
- posts: VBox
- profilePhoto: ImageView
- profileDatabase: ProfileDatabase
- coverPhoto: ImageView
- friends: MenuItem
- newsfeedButton: Button
- handleEditBio(): Optional<String>
- handleChangePassword(): Optional<String>
+ start(String): void
- createPosts(String): ScrollPane
LoginPage
- registerButton: Button
- root: VBox
- userDatabase: UserDatabase
- siteLabel: Label
- loginButton: Button
- emailValidationLabel: Label
- email: TextField
- password: PasswordField
+ start(Stage): void
+ handleLoginAction(Stage): void
+ main(String[]): void
RegisterPage
- emailLabel: Label
- dateOfBirthLabel: Label
- usernameLabel: Label
- grid: GridPane
- dateOfBirthDatePicker: DatePicker
- passwordLabel: Label
- emailValidationLabel: Label
- registerButton: Button
- usernameValidationLabel: Label
- usernameTextField: TextField
- emailTextField: TextField
- passwordField: PasswordField
+ start(): void
+ handleRegisterAction(Stage): void
ContentFactory
- contentFactory: ContentFactory
+ getInstance(): ContentFactory
+ createContent(String, String, String, String): void
ImplementedNewsfeedBack
- getContent: GetContent
- friendManager: FriendManager
+ getFriendSuggestions(String): List<User>
+ getFriendsContents(String): ArrayList<Content>
+ getFriendsList(String): List<User>
+ getFriendsPosts(String): ArrayList<Post>
+ getFriendsStories(String): ArrayList<Story>
PostComponent
- post: Post
+ getPostComponent(User): Pane
+ getAllPostComponents(User, List<Post>): List<Pane>

AddPost
- selectedImage: File
- DESTINATION_FOLDER: String
- uploadButton: Button
- createPostButton: Button
- postTextArea: TextArea
- textLabel: Label
- imageLabel: Label
+ start(String): void
- openImageChooser(Stage): void
+ handleAddPost(Stage, String): void
AddStory
- storyTextArea: TextArea
- uploadButton: Button
- selectedImage: File
- textLabel: Label
- createStoryButton: Button
- imageLabel: Label
- DESTINATION_FOLDER: String
- openImageChooser(Stage): void
+ start(String): void
+ handleAddStory(Stage, String): void
ContentCreationFront
TimestampFormatter
+ formatTimestamp(String): String?
HashPassword
+ hashPassword(String): String
FriendManagementFront
DisplayStory
- storyText: TextArea
- storyImage: ImageView
+ start(Story): void
User
Validation
+ isUsernameValid(String): boolean
+ isEmailValid(String): boolean
AlertUtils
+ showWarningMessage(String, String): void
+ showInformationMessage(String, String): void
+ showErrorMessage(String, String): void
+ showConfirmationMessage(String, String): boolean