

Data Layer

Repositories

IngredientDataRepository

+ fetchIngredientNames(): Future<List<String>>
+ fetchIngredientIconUrls(): Future<List<String>>

UserRepository

- idToken: String?
- refreshToken: String?

+ fetchCurrentUser(): Future<User?>
+ getToken(): FutureOr<String?>
+ login(String email, String password): Future<void>
+ logout(): Future<void>
+ register(String email, String password, String username): Future<void>
+ updateUser(User user): Future<void>
+ deleteAccount(): Future<void>
+ resetPassword(String email): Future<void>

GroupRepository

- userRepository: UserRepository

+ GroupRepository(UserRepository userRepository): GroupRepository
+ fetchAllGroupsForUser(): Future<List<Group>>
+ fetchGroupById(): Future<Group>
+ joinGroup(String groupId): Future<void>
+ leaveGroup(String groupId): Future<void>
+ createGroup(String name): Future<void>
+ updateGroup(Group group): Future<void>
+ deleteGroup(String groupId): Future<void>

AdminRepository

- userRepository: UserRepository

+ AdminRepository(UserRepository userRepository): AdminRepository
+ makeAdmin(String userId, String groupId): Future<void>
+ removeAdminStatus(String userId, String groupId): Future<void>
+ kickUser(String userId, String groupId): Future<void>
+ banUser(String userId, String groupId): Future<void>
+ setCensored(String recipeId, String groupId, bool value): Future<void>

RecipeRepository

- userRepository: UserRepository

+ RecipeRepository(UserRepository userRepository): RemoteRecipeRepository
+ fetchAllRecipesForUser(): Future<List<Recipe>>
+ createRecipe(RecipeCreationData recipe): Future<void>
+ deleteRecipe(String recipeId): Future<void>
+ updateRecipe(Recipe recipe): Future<void>
+ setFavourite(String recipeId, bool value): Future<void>
+ reportRecipe(String recipeId): Future<void>

LocalRecipeRepository

+ fetchAllRecipesForUser(): Future<List<Recipe>>

