Presentation Layer main_screen <<StatefulWidget>> <<StatefulWidget>> <<enum>> FilterSelectionWidget MainScreen **FilterCategory** selectedFilters: List<FilterCategory> filteredRecipes: List<Recipe> onChange(List<FilterCategory> 0: favourite filterCategories: List<FilterCategory> value): void 1: difficultyEasy sortCategory: SortCategory 2: difficultyMedium + FilterSelectionWidget(List<FilterCategory> sortAscending: bool 3: difficultyHard selectedFilters, void - searchText: String 4: labelVegan onChange(List<FilterCategory> value)): 5: labelVegetarian - runFiltersAndSort(): void FilterSelectionWidget 6: labelGlutenFree 7: labelKosher <<StatefulWidget>> 8: labelHalal SortSelectionWidget <<StatelessWidget>> RecipeCard sortCategory: SortCategory + matches(Recipe recipe): bool - recipe: Recipe ascending: bool <<StatelessWidget>> onChange(SortCategory sortCategory, bool ascending): QRScannerScreen + RecipeItem(Recipe recipe): RecipeItem toggleFavourite(): void <<enum>> + SortSelectionWidget(SortCategory sortCategory, bool SortCategory onScanSuccessful(String scannedText): void ascending, void onChange(SortCategory sortCategory, bool ascending)): SortSelectionWidget 0: title 1: difficulty <<StatelessWidget>> <<StatelessWidget>> 2: creationDate LoginScreen SearchFieldWidget emailController: TextEditingControler + compare(Recipe a, Recipe b): int onChange(String value): void - passwordController: TextEditingControler + SearchFieldWidget(void onChange(String value)): login(): void SearchFieldWidget ui_elements <<StatelessWidget>> RegisterScreen AddButton RemoveButton userNameController: TextEditingControler <<StatefulWidget>> - emailController: TextEditingControler RecipeDetailScreen - passwordController: TextEditingControler - recipe: Recipe + AddButton(onPressed: VoidCallback): passwordRepeatController: TextEditingControler + RemoveButton(onPressed: - portionAmount: int AddButton VoidCallback): RemoveButton register(): void **FavouriteButton** <<StatelessWidget>> recipe_creation_screen **PasswordResetScreen** <<FlutterWidget>> IconButton - emailController: TextEditingControler + FavouriteButton(onPressed: <<StatelessWidget>> <<StatefulWidget>> VoidCallback, value: bool): ImagePickerWidget resetPassword(): void RecipeCreationScreen FavouriteButton recipe: Recipe · image: UInt8List? - onChange(UInt8List? value): void <<StatelessWidget>> EyeButton BackButton GroupJoiningScreen + ImagePickerWidget(UInt8List? image, void onChange(UInt8List? value)): ImagePickerWidget groupCodeController: TextEditingController + EyeButton(onPressed: + BackButton(onPressed: VoidCallback): VoidCallback, open: bool): · joinGroupByCode(): void BackButton <<StatefulWidget>> EyeButton DifficultyPickerWidget - difficulty: Difficulty <<StatelessWidget>> <<StatelessWidget>> <<FlutterWidget>> onChange(Difficulty value): void GroupCreationScreen NavBar BottomNavigationBar + DifficultyPickerWidget(Difficulty difficulty, void - groupNameController: TextEditingController currentIndex: int onChange(Difficulty value)): DifficultyPickerWidget createGroup(): void + NavBar(int currentIndex): Navbar <<StatefulWidget>> <<StatelessWidget>> <<StatlessWidget>> group_detail_screen IngredientList TagItem PortionAmountField - ingredients: List<Ingredient> - icon: IconData portionAmount: int <<StatelessWidget>> name: String - onChange(List<Ingredient> value): void onChange(int value): void MemberList <<StatefulWidget>> isActive: bool GroupDetailScreen + IngredientList(List<Ingredient ingredients, void PortionAmountField(int portionAmount, - members: List<GroupMember> $on Change (List < Ingredient > value)): \ Ingredient List$ + TagItem(IconData icon, String name, void onChange(int value)): group: Group bool isActive): TagItem + MemberList(List<GroupMember> members): PortionAmountField MemberList deleteGroup(): void <<StatefulWidget>> - makeAdmin(String userId): void renameGroup(String newName): void ToggleableLabelWidget removeAdminStatus(String userId): void leaveGroup(): void kickUser(String userId): void shareGroupCode(): void - icon: IconData - banUser(String userId): void name: String active: bool onChange(bool value): void <<StatelessWidget>> + ToggleableLabelWidget(IconData icon, String name, bool active, void onChange(bool value)):
ToggleableLabelWidget GroupRecipeList recipes: List<GroupRecipe> + GroupRecipeList(List<GroupRecipe> recipes): GroupRecipeList toggleCensoring(Recipe recipe): void ingredient creation screen <<StatefulWidget>> <<StatelessWidget>> <<StatelessWidget>> IconPickerWidget QRCodeScreen IngredientCreationScreen - iconName: String <<StatefulWidget>> group: Group nameController: TextEditingController onChange(String value): void IngredientNameInput - iconName: String - controller: TextEditingController + IconPickerWidget(String iconName, void - amountController: TextEditingController - unit: TextEditingController onChange(String iconName)): IconPickerWidget name: String IngredientNameInput(String name, - createIngredient(): void TextEditingController: controller): IconPicker settings_screen <<StatefulWidget>> <<StatelessWidget>> ProfileImagePicker SettingsScreen - profileImage: UInt8List? onChange(UInt8List? value): void - logout(): void + ProfileImagePicker(UInt8List? profileImage, - deleteÄccount(): void void onChange(UInt8List? value)): renameUser(String newName): void ProfileImagePicker <<StatelessWidget>> GroupList - groups: List<Group> + GroupList(List<Group> groups): GroupList leaveGroup(String id): void <<StatelessWidget>> OwnRecipeList - recipes: List<Recipe> + OwnRecipeList(List<Recipe> recipes): OwnRecipeList - hideRecipe(String id): void - exportRecipe(Recipe recipe): void deleteRecipe(String id): void