SDA 1.1 UML Class Diagram UML Class Diagram for Application Template (Items Only) Software Design and Architecture | February 7, 2025 Template AppCompatActivity Д AddItemActivity EditItemActivity ItemList - title: EditText item_list: ItemList items: ArrayList<Item> - maker: EditText - item: Item FILENAME: String - context: Contect description: EditText - image: Bitmap - REQUEST_CODE: int length: EditText + ItemList() width: EditText + setItems(item_list: ArrayList<Item>): - photo: ImageView - height: EditText - title: EditText photo: ImageView + getItems(): ArrayList<Item> - maker: EditText image: Bitmap + addItem(item: Item): void REQUEST_CODE: int - description: EditText + deleteItem(item: Item): void item_list: ItemList - length: EditText + getItem(index: int): Item - width: EditText - context: Context + getIndex(item: Item): int - height: EditText + getSize(): int borrower: EditText; # onCreate(Bundle savedInstanceState): void + loadItems(context: Context): void - borrower_tv: TextView + saveItem (View view): void + saveItems(context: Context): void + filterItemsByStatus(status: String): - status: Switch + addPhoto(View view): void + deletePhoto(View view): void ArrayList<Item> # onCreate(Bundle savedInstanceState): void + onActivityResult(int request_code, int + addPhoto(View view): void + deletePhoto(View view): void + onActivityResult(int request_code, int result_code, Intent intent): void result_code, Intent intent): void + saveItem (View view): void + deleteItem (View view): void + toggleSwitch(View view): void Item - title: String Dimensions - maker: String - description: String - dimensions: Dimensions - length: String width: Stringheight: String status: String - borrower: String # image: Bitmap # image_base64: String + Dimensions(length: String, width: String, height: String)
+ getLength(): String
+ getWidth(): String - id: String + getHeight(): String + getDimensions(): String + setDimensions(length: String, width: String, height: String): void + Item(String title, String maker, String description, Dimensions dimensions, Bitmap image, String id) + getId(): String + setId(): void + updateId(id: String): void + setTitle(id:: String): void + getTitle(): String + setMaker(maker: String): void + setMaker(maker: String): void + getMaker(): String + setDescription(description: String): void + getDescription(): String + setDimensions(dimensions: Dimensions): void + getDimensions(): Dimensions + setStatus(status: String): void + getStatus(): String + setBorrower(horrower: String): void + setBorrower(borrower: String): void + getBorrower(): String + addImage(new_image: Bitmap): void + getImage(): Bitmap