

Android Technical Report

Project: Taipei Tour

Source code: [Github](#)

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Screen record video: [Video](#)

App Icon: 

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ESSENTIAL REQUIREMENTS	
Language	Kotlin
Architecture	MVVM + Clean Architecture
Tech stacks	<ul style="list-style-type: none">• LiveData• Coroutines• DataBinding• Navigation graph• Safe Args• Modularization• Hilt dependency injection• WebView• Single source of true
Third-party libraries	<ul style="list-style-type: none">• Glide• Retrofit

Basic Features		
	Description	Status
Switch langue	When selecting the language, the list will be refreshed with respect to the selected one, and the title is also changed as well	Done

Load list	Load the list of attractions with the required API	Done
Load list with error	If the result of fetching data is error or empty, a default placeholder will be shown as background In fact, when querying with "id" for the [lang] parameter, the error will be emitted	Done
Load more	When the scrolling reaches the end, the list will be loaded to the next page if there are the remaining items	Done
Show attractions photo	If the photo list of the item is not empty, the first photo will be loaded as an avatar. Otherwise, the default photo as a placeholder will be placed there	Done
Navigate to the second page	The graph and safe Args are used for this action. The first page will send the item to the next page via safeArgs with expecting information. Localization is also applied here to display the address and the modification time	Done
Webview	The official website is sent to the Webview fragment via safe Args	Done