code-to-pdf

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.pdfignore

...

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```

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...

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...

```
 1: # Code To PDF
 2:
 3: Turn on your source code into PDF documented.
 4:
 5: Example output:
 6: [code-to-pdf.pdf](code-to-pdf.pdf)
 7:
 8: ## How to use
 9: 1. Setup virtual environment
10: 2. Copy `code-to-pdf.py`, `.pdfignore` and `requirements.txt` to your source code directory
11: 3. Setup `requirements.txt`
12: 4. Just run `code-to-pdf.py` in terminal of your directory
13:
14: ## Ignore files
15: This file following `.gitignore` structure, you can edit
16:
17: ## License
18:
19: ```
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```

...

```kotlin
 1: package org.example.core.network
 2:
 3: import io.ktor.client.HttpClient
 4: import io.ktor.client.plugins.auth.Auth
 5: import io.ktor.client.plugins.auth.providers.BearerTokens
 6: import io.ktor.client.plugins.auth.providers.bearer
 7: import io.ktor.client.plugins.contentnegotiation.ContentNegotiation
 8: import io.ktor.client.plugins.logging.LogLevel
 9: import io.ktor.client.plugins.logging.Logging
10: import io.ktor.client.request.get
11: import io.ktor.client.request.post
12: import io.ktor.client.request.setBody
13: import io.ktor.client.statement.HttpResponse
14: import io.ktor.http.ContentType
15: import io.ktor.http.appendPathSegments
16: import io.ktor.http.contentType
17: import io.ktor.http.encodedPath
18: import io.ktor.serialization.kotlinx.json.json
19: import kotlinx.serialization.json.Json
20: import org.example.core.local.ValuesStoreManager
21:
22:
23: class NetworkClient(
24:     val baseUrl: String,
25:     private val valuesStoreManager: ValuesStoreManager
26: ) {
27:     private val ktorClient by lazy {
28:         HttpClient {
29:             install(ContentNegotiation) {
30:                 json(
31:                     Json {
32:                         ignoreUnknownKeys = true
33:                         isLenient = true
34:                     }
35:                 )
36:             }
37:
38:             install(Logging) {
39:                 level = LogLevel.ALL
40:             }
41:
42:             install(Auth) {
43:                 bearer {
44:                     loadTokens {
45:                         BearerTokens(valuesStoreManager.token, "")
46:                     }
47:
48:                     sendWithoutRequest { request ->
49:                         val allowedBearer = listOf(
50:                             "/qris",
51:                             "/api/v1/product",
52:                             "/api/v1/product/prepaid",
53:                             "/api/v1/categories"
54:                         )
55:                         allowedBearer.contains(request.url.encodedPath)
56:                     }
57:                 }
58:             }
59:         }
60:     }
61:
62:     suspend fun get(path: String, parameter: Map<String, String>? = null): HttpResponse {
63:         return ktorClient.get(baseUrl) {
64:             url {
65:                 appendPathSegments(path)
66:                 parameter?.forEach { param ->
67:                     parameters.append(param.key, param.value)
68:                 }
69:             }
70:             contentType(ContentType.Application.Json)
```

```
71:            }
72:        }
73:
74:    suspend fun post(
75:        path: String,
76:        parameter: Map<String, String>? = null,
77:        body: Any? = null
78:    ): HttpResponse {
79:        return ktorClient.post(baseUrl) {
80:            url {
81:                appendPathSegments(path)
82:                parameter?.forEach { param ->
83:                    parameters.append(param.key, param.value)
84:                }
85:            }
86:            contentType(ContentType.Application.Json)
87:            setBody(body)
88:        }
89:    }
90: }
```

libs.versions.toml

Location: example/example_again/

...

```toml
 1: [versions]
 2: agp = "8.2.2"
 3: android-compileSdk = "34"
 4: android-minSdk = "25"
 5: android-targetSdk = "34"
 6: androidx-activityCompose = "1.9.1"
 7: androidx-appcompat = "1.7.0"
 8: androidx-constraintlayout = "2.1.4"
 9: androidx-core-ktx = "1.13.1"
10: androidx-espresso-core = "3.6.1"
11: androidx-lifecycle = "2.8.0"
12: androidx-material = "1.12.0"
13: androidx-test-junit = "1.2.1"
14: circuitFoundation = "0.23.1"
15: circuitxGestureNavigation = "0.23.1"
16: compose-plugin = "1.6.11"
17: imageLoader = "1.8.2"
18: junit = "4.13.2"
19: kotlin = "2.0.20"
20: kotlinxCoroutinesCore = "1.9.0-RC.2"
21: ktorClientCore = "3.0.0-beta-2"
22: multiplatformSettingsNoArg = "1.1.1"
23: jetbrainsKotlinJvm = "1.9.0"
24:
25: [libraries]
26: circuitx-gesture-navigation = { module = "com.slack.circuit:circuitx-gesture-navigation", version.ref = "circuitxGestureNavigation" }
27: circuit-foundation = { module = "com.slack.circuit:circuit-foundation", version.ref = "circuitFoundation" }
28: image-loader = { module = "io.github.qdsfdhvh:image-loader", version.ref = "imageLoader" }
29: kotlin-test = { module = "org.jetbrains.kotlin:kotlin-test", version.ref = "kotlin" }
30: kotlin-test-junit = { module = "org.jetbrains.kotlin:kotlin-test-junit", version.ref = "kotlin" }
31: junit = { group = "junit", name = "junit", version.ref = "junit" }
32: androidx-core-ktx = { group = "androidx.core", name = "core-ktx", version.ref = "androidx-core-ktx" }
33: androidx-test-junit = { group = "androidx.test.ext", name = "junit", version.ref = "androidx-test-junit" }
34: androidx-espresso-core = { group = "androidx.test.espresso", name = "espresso-core", version.ref = "androidx-espresso-core" }
35: androidx-appcompat = { group = "androidx.appcompat", name = "appcompat", version.ref = "androidx-appcompat" }
36: androidx-material = { group = "com.google.android.material", name = "material", version.ref = "androidx-material" }
37: androidx-constraintlayout = { group = "androidx.constraintlayout", name = "constraintlayout", version.ref = "androidx-constraintlayout" }
38: androidx-activity-compose = { module = "androidx.activity:activity-compose", version.ref = "androidx-activityCompose" }
39: androidx-lifecycle-viewmodel = { group = "org.jetbrains.androidx.lifecycle", name = "lifecycle-viewmodel", version.ref = "androidx-lifecycle" }
40: androidx-lifecycle-runtime-compose = { group = "org.jetbrains.androidx.lifecycle", name = "lifecycle-runtime-compose", version.ref = "androidx-lifecycle" }
41: kotlinx-coroutines-android = { module = "org.jetbrains.kotlinx:kotlinx-coroutines-android", version.ref = "kotlinxCoroutinesCore" }
42: kotlinx-coroutines-core = { module = "org.jetbrains.kotlinx:kotlinx-coroutines-core", version.ref = "kotlinxCoroutinesCore" }
43: ktor-client-content-negotiation = { module = "io.ktor:ktor-client-content-negotiation", version.ref = "ktorClientCore" }
44: ktor-client-core = { module = "io.ktor:ktor-client-core", version.ref = "ktorClientCore" }
```

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```
45: ktor-client-darwin = { module = "io.ktor:ktor-client-darwin", version.ref = "ktorClientCore" }
46: ktor-client-logging = { module = "io.ktor:ktor-client-logging", version.ref = "ktorClientCore" }
47: ktor-client-okhttp = { module = "io.ktor:ktor-client-okhttp", version.ref = "ktorClientCore" }
48: ktor-client-auth = { module = "io.ktor:ktor-client-auth", version.ref = "ktorClientCore" }
49: ktor-serialization-kotlinx-json = { module = "io.ktor:ktor-serialization-kotlinx-json", version.ref = "ktorClientCore" }
50: multiplatform-settings = { module = "com.russhwolf:multiplatform-settings", version.ref = "multiplatformSettingsNoArg" }
51: multiplatform-settings-no-arg = { module = "com.russhwolf:multiplatform-settings-no-arg", version.ref = "multiplatformSettingsNoArg" }
52:
53: [plugins]
54: androidApplication = { id = "com.android.application", version.ref = "agp" }
55: androidLibrary = { id = "com.android.library", version.ref = "agp" }
56: jetbrainsCompose = { id = "org.jetbrains.compose", version.ref = "compose-plugin" }
57: compose-compiler = { id = "org.jetbrains.kotlin.plugin.compose", version.ref = "kotlin" }
58: kotlinMultiplatform = { id = "org.jetbrains.kotlin.multiplatform", version.ref = "kotlin" }
59: kotlinSerializer = { id = "org.jetbrains.kotlin.plugin.serialization", version.ref = "kotlin" }
60: nativeCocoaPod = { id = "org.jetbrains.kotlin.native.cocoapods", version.ref = "kotlin" }
61: kotlinAndroidParcelize = { id = "org.jetbrains.kotlin.plugin.parcelize", version.ref = "kotlin" }
62: jetbrains-kotlin-jvm = { id = "org.jetbrains.kotlin.jvm", version.ref = "jetbrainsKotlinJvm" }
```

...

```kotlin
 1: package org.example.core.network
 2:
 3: import io.ktor.client.call.body
 4: import io.ktor.client.statement.HttpResponse
 5: import io.ktor.client.statement.bodyAsText
 6: import io.ktor.http.isSuccess
 7: import io.ktor.serialization.JsonConvertException
 8: import io.ktor.serialization.kotlinx.json.DefaultJson
 9: import kotlinx.coroutines.delay
10: import kotlinx.coroutines.flow.Flow
11: import kotlinx.coroutines.flow.catch
12: import kotlinx.coroutines.flow.flow
13: import kotlinx.coroutines.flow.onStart
14: import kotlinx.serialization.json.jsonObject
15: import kotlinx.serialization.json.jsonPrimitive
16:
17: abstract class NetworkRepository {
18:
19:
20:     protected inline fun <reified T, U>(suspend () -> HttpResponse).reduce(
21:         crossinline block: (T) -> Async<U>
22:     ) : Flow<Async<U>> {
23:         return flow {
24:             val httpResponse = invoke()
25:             if (httpResponse.status.isSuccess()) {
26:                 val data = httpResponse.body<T>()
27:                 val dataState = block.invoke(data)
28:                 emit(dataState)
29:             } else {
30:                 val message = try {
31:                     val json = DefaultJson
32:                         .parseToJsonElement(httpResponse.bodyAsText())
33:                         .jsonObject
34:                     json["message"]?.jsonPrimitive?.content
35:                 } catch (e: Throwable) {
36:                     e.printStackTrace()
37:                     httpResponse.bodyAsText()
38:                 }
39:                 val throwable = Throwable(message)
40:                 val state = Async.Failure(throwable)
41:                 emit(state)
42:             }
43:         }.onStart {
44:             emit(Async.Loading)
45:         }.catch {
46:             val state = Async.Failure(it)
47:             emit(state)
48:         }
49:     }
50: }
```

(13)

...

```kotlin
 1: package org.example.core.network
 2:
 3: import io.ktor.client.call.body
 4: import io.ktor.client.statement.HttpResponse
 5: import io.ktor.client.statement.bodyAsText
 6: import io.ktor.http.isSuccess
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39:                 val throwable = Throwable(message)
40:                 val state = Async.Failure(throwable)
41:                 emit(state)
42:             }
43:         }.onStart {
44:             emit(Async.Loading)
45:         }.catch {
46:             val state = Async.Failure(it)
47:             emit(state)
48:         }
49:     }
50: }
```

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requirements.txt

Location: .

...

```
 1: arabic-reshaper==3.0.0
 2: asn1crypto==1.5.1
 3: certifi==2024.8.30
 4: cffi==1.17.0
 5: chardet==5.2.0
 6: charset-normalizer==3.3.2
 7: click==8.1.7
 8: cryptography==43.0.0
 9: cssselect2==0.7.0
10: defusedxml==0.7.1
11: fonttools==4.53.1
12: fpdf2==2.7.9
13: html5lib==1.1
14: idna==3.8
15: lxml==5.3.0
16: oscrypto==1.3.0
17: pillow==10.4.0
18: pycparser==2.22
19: Pygments==2.18.0
20: pyHanko==0.25.1
21: pyhanko-certvalidator==0.26.3
22: pypdf==4.3.1
23: PyPDF2==3.0.1
24: pypng==0.20220715.0
25: python-bidi==0.6.0
26: PyYAML==6.0.2
27: qrcode==7.4.2
28: reportlab==4.2.2
29: requests==2.32.3
30: six==1.16.0
31: svglib==1.5.1
32: tinycss2==1.3.0
33: typing_extensions==4.12.2
34: tzlocal==5.2
35: uritools==4.0.3
36: urllib3==2.2.2
37: webencodings==0.5.1
38: xhtml2pdf==0.2.16
```