

基於 BDD 影像元件開發規格書範例

基本需求

- 基於開發語言安裝 **Cucumber** 套件
- 請建立 **features** 資料夾管理所有功能相關的規格
- 請建立 Gherkin 格式的檔案，列出相關功能(Feature)及對應場景(Scenario)。注意一個功能就產生一個附檔名為**feature**的檔案，一個功能檔案中可以有多個不一樣的場景，但請不要混和多個功能在一個功能檔案中。

檔案結構

專案規格請同時置於專案目錄下，以**features**資料夾進行管理。以下為參考範例：

```
├── [docs]
├── [features]
│   ├── [step_definitions]
│   │   └── stepdefs.js      # 功能測試步驟(feature)的具體實現
│   ├── [support]           # 選用，環境配置文件或輔助方法放在這邊
│   └── *.feature           # 實際規格功能定義檔案
├── cucumber.js            # cucumber執行設定
└── *
```

功能寫法範例

由於本專案根據使用者需求，功能至少包含**案例瀏覽**、**案例掃描**及**案例登打顯示**，以下就這三項功能提供功能寫法範例：

- 案例瀏覽.feature

```
Feature: Case Browsing

Scenario: Check Case Existence in Database
  Given a specific case ID
  When the system searches for the case in the database
  Then the case should exist in the database

Scenario: Retrieve Case Image
  Given the case exists in the database
  When the user requests the image associated with the case
  Then the image should be successfully retrieved

Scenario: Display Success
  Given the case image is retrieved successfully
  When the image is displayed on the screen
  Then the image should be displayed successfully
```

- 案例掃描.feature

Feature: Case Scanning

Scenario: Confirm Case Existence in Database

Given a specific case ID
When the system checks the database for the case
Then the case should exist in the database

Scenario: Check Scanner Functionality

Given the scanning machine is turned on
When a test scan is initiated
Then the scanner should be operational

Scenario: Scan Success

Given the scanner is operational
When the operator scans a document
Then the scanning process should be successful

Scenario: Upload Success

Given the scanning process is successful
When the operator uploads the scanned document
Then the document should be uploaded successfully

- 案例登打顯示.feature

Feature: Case Marking and Display

Scenario: Check Case Status

Given a specific case ID
When the system checks the status of the case
Then the case status should be normal

Scenario: Verify Marking Position

Given the case image is displayed
When the user marks a specific location on the image
Then the marked position should correspond to the image accurately

參考文獻

1. [Cucumber](#)