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          # 功能測試步驟的具體實現,也就是feature檔案中的實現
│       ├── [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
└── *                                     # 其他專案檔案
```

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