Pruebas Web Latam y API CoinGecko

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Entregado en el repositorio:

- Reportes tipo web interactivos generados por cucumber de forma local.

- Archivo README.md con instrucciones para la ejecución de las pruebas y generación de reportes, esto debido a que utilicé variables de entorno para almacenar la api key de CoinGecko

- Plan de pruebas

- Matriz de riesgos

En este taller siguiendo las sugerencias de la documentación de cucumber, apliqué el uso de una librería de inyección de dependencias, para compartir estado entre las diferentes clases de step definitions, permitiendo así separar los pasos en clases más pequeñas.
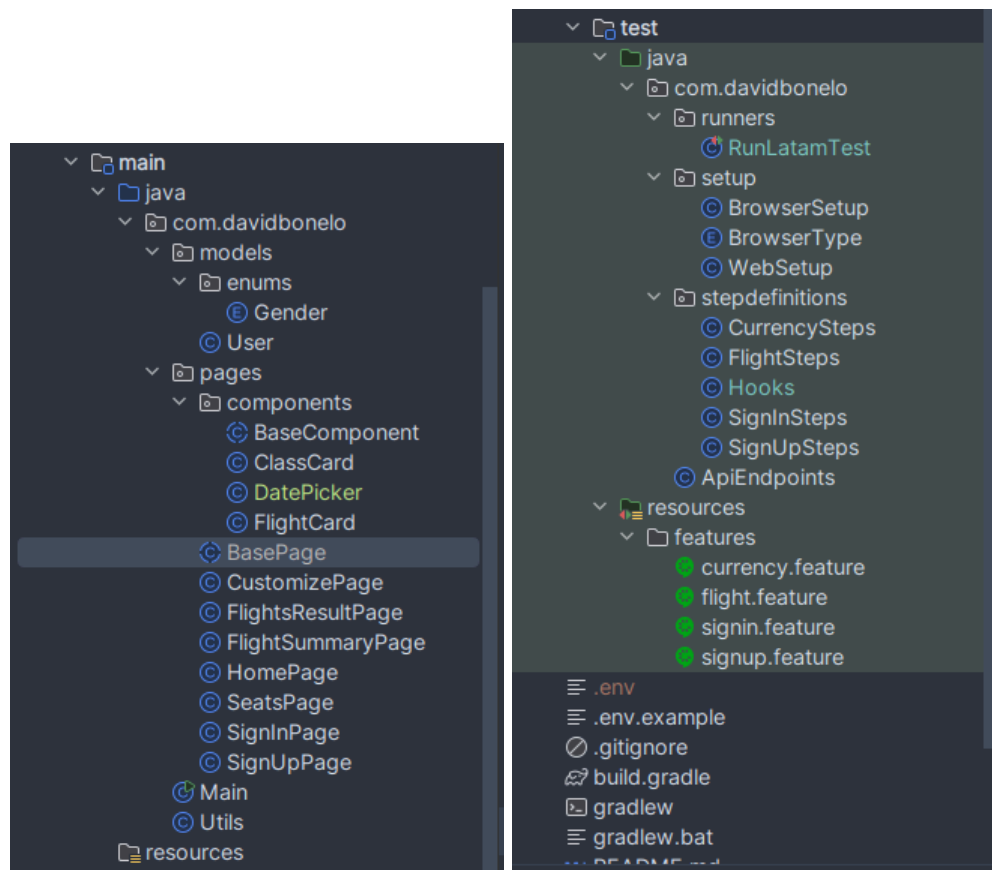https://cucumber.io/docs/cucumber/state/?lang=java#dependency-injection

Web a probar
https://www.latamairlines.com/

API a probar
https://api.coingecko.com/api/v3/

Estructura del proyecto

Escenarios de prueba con evidencias

Web Latam Airlines

```gherkin
@web
Feature: Flights
  Background: Browser
      # The configured browsers are CHROME and FIREFOX
      Given the User browses the internet using the "CHROME" browser

  Scenario: See flight offer info
      Given The user is in the home page
      When he selects one destination from the offers
      Then he should be able to see the flights available with their
starting price
```

Scenario: See flight clases
    Given The user is looking at the flights available for a
destination
    When he selects one flight to see its details
    Then he should be able to see its available classes and prices

Scenario Outline: Create tickets order
    Given The user is looking at the flights available for a
destination
    And he sets the amount of passengers to <quantity>
    When he selects one flight with any type of class
    And he chooses the <quantity> seats from the available ones
    Then he should see the payment summary for the tickets
    Examples:
    | quantity |
    | 2 |

```
@web
Scenario: See flight offer info                                          # features/flight.feature:7
  Given the User browses the internet using the "CHROME" browser         # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  Given The user is in the home page                                     # com.davidbonelo.stepdefinitions.FlightSteps
    .theUserIsInTheHomePage()
  When he selects one destination from the offers                        # com.davidbonelo.stepdefinitions.FlightSteps
    .heSelectsOneDestinationFromTheOffers()
  Then he should be able to see the flights available with their starting price # com.davidbonelo.stepdefinitions.FlightSteps
    .heShouldBeAbleToSeeTheFlightsAvailableWithTheirStartingPrice()
```

```
@web
Scenario: See flight clases                                              # features/flight.feature:12
  Given the User browses the internet using the "CHROME" browser         # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  Given The user is looking at the flights available for a destination   # com.davidbonelo.stepdefinitions.FlightSteps
    .theUserIsLookingAtTheFlightsAvailableForADestination()
  When he selects one flight to see its details                          # com.davidbonelo.stepdefinitions.FlightSteps
    .heSelectsOneFlightToSeeItsDetails()
  Then he should be able to see its available classes and prices         # com.davidbonelo.stepdefinitions.FlightSteps
    .heShouldBeAbleToSeeItsAvailableClassesAndPrices()
```

```
@web
Scenario Outline: Create tickets order                                    # features/flight.feature:25
  Given the User browses the internet using the "CHROME" browser          # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  Given The user is looking at the flights available for a destination    # com.davidbonelo.stepdefinitions.FlightSteps
    .theUserIsLookingAtTheFlightsAvailableForADestination()
  And he sets the amount of passengers to 2                               # com.davidbonelo.stepdefinitions.FlightSteps
    .heSetsTheAmountOfPassengersTo(int)
  When he selects one flight with any type of class                       # com.davidbonelo.stepdefinitions.FlightSteps
    .heSelectsOneFlightWithAnyTypeOfClass()
  And he chooses the 2 seats from the available ones                      # com.davidbonelo.stepdefinitions.FlightSteps
    .heChoosesTheQuantitySeatsFromTheAvailableOnes(int)
  Then he should see the payment summary for the tickets                  # com.davidbonelo.stepdefinitions.FlightSteps
    .heShouldSeeThePaymentSummaryForTheTickets()
```

@web
Feature: User SignIn

  Background: Sign in page
      # The configured browsers are CHROME and FIREFOX
      Given the User browses the internet using the "FIREFOX" browser
      And The user is in the login page

  Scenario: Successful sign in
      When he accedes with his correct credentials
      Then he should be redirected to the home page

  Scenario: Sign in attempt with a not registered email
      Given he tries to access with a new email
      Then he should see an error message appear

```
@web
Scenario: Successful sign in                                             # features/signin.feature:9
  Given the User browses the internet using the "FIREFOX" browser        # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  And The user is in the login page                                      # com.davidbonelo.stepdefinitions.SignInSteps
    .theUserIsInTheLoginPage()
  When he accedes with his correct credentials                           # com.davidbonelo.stepdefinitions.SignInSteps
    .heAccedesWithHisCorrectCredentials()

  Then he should be redirected to the home page                          # com.davidbonelo.stepdefinitions.SignInSteps
    .heShouldBeRedirectedToTheHomePage()
```

```
The url doesn't match the home page
Expected :https://www.latamairlines.com/co/es
Actual   :https://accounts.latamairlines
  .com/login?state
  =hKFo2SB4XzRITk9FcUlDUmNfdzFsVW9iaG1xSlpKNmEw
```

```
@web
Scenario: Sign in attempt with a not registered email         # features/signin.feature:13
  Given the User browses the internet using the "FIREFOX" browser # com.davidbonelo.stepdefinitions.SignUpSteps
   .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  And The user is in the login page                           # com.davidbonelo.stepdefinitions.SignInSteps
   .theUserIsInTheLoginPage()
  Given he tries to access with a new email                   # com.davidbonelo.stepdefinitions.SignInSteps
   .heTriesToAccessWithANewEmail()
  Then he should see an error message appear                  # com.davidbonelo.stepdefinitions.SignInSteps
   .heShouldSeeAnErrorMessageAppear()
```

```
@web
Feature: User Signup

  Background: Browser
      # The configured browsers are CHROME and FIREFOX
      Given the User browses the internet using the "CHROME" browser

  Scenario: successful signup
      Given The user is in the signup page
      When he creates his account with valid information
      Then he should be redirected to the home page
```

```
@web
Scenario: successful signup                                              # features/signup.feature:8
  Given the User browses the internet using the "CHROME" browser # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserBrowsesTheInternetUsingTheBrowser(java.lang.String)
  Given The user is in the signup page                                   # com.davidbonelo.stepdefinitions.SignUpSteps
    .theUserIsInTheSignupPage()
  When he creates his account with valid information                     # com.davidbonelo.stepdefinitions.SignUpSteps
    .heCreatesHisAccountWithValidInformation()

  Then he should be redirected to the home page                          # com.davidbonelo.stepdefinitions.SignInSteps
    .heShouldBeRedirectedToTheHomePage()
```

```
The url doesn't match the home page
Expected :https://www.latamairlines.com/co/es
Actual   :https://www.latamairlines.com/co/es/registro?source=ebiz
<Click to see difference>
```

Servicio API CoinGecko

```
@currency
Feature: Currency operations
  As an integration system I
  WANT to make operations with currencies
  SO THAT I can keep prices up to date

  Scenario Outline: Obtain the current price for a cryptocurrency
      When The system asks for the current price of "<crypto>" in
"<currency>"
      Then it should get a successful answer with the market price of
"<crypto>" in "<currency>"
      Examples:
        | crypto    | currency |
        | bitcoin   | usd      |
        | ethereum  | eur      |

  Scenario: Currencies list
      When The system requests the list of supported cryptocurrencies
      Then it should get a successful answer
      And it should receive the complete list of currencies
```

```
@currency
Scenario Outline: Obtain the current price for a cryptocurrency                    # features/currency.feature:12
  When The system asks for the current price of "bitcoin" in "usd"                 # com.davidbonelo.stepdefinitions
    .CurrencySteps.theSystemAsksForTheCurrentPriceOfIn(java.lang.String,java.lang.String)
  Then it should get a successful answer with the market price of "bitcoin" in "usd" # com.davidbonelo.stepdefinitions
    .CurrencySteps.itShouldGetASuccessfulAnswerWithTheMarketPriceOfIn(java.lang.String,java.lang.String)

@currency
Scenario Outline: Obtain the current price for a cryptocurrency                    # features/currency.feature:13
  When The system asks for the current price of "ethereum" in "eur"                # com.davidbonelo.stepdefinitions
    .CurrencySteps.theSystemAsksForTheCurrentPriceOfIn(java.lang.String,java.lang.String)
  Then it should get a successful answer with the market price of "ethereum" in "eur" # com.davidbonelo.stepdefinitions
    .CurrencySteps.itShouldGetASuccessfulAnswerWithTheMarketPriceOfIn(java.lang.String,java.lang.String)

@currency
Scenario: Currencies list                                                         # features/currency.feature:15
  When The system requests the list of supported cryptocurrencies # com.davidbonelo.stepdefinitions.CurrencySteps
    .theSystemRequestsTheListOfSupportedCryptocurrencies()
  Then it should get a successful answer                          # com.davidbonelo.stepdefinitions.CurrencySteps
    .itShouldGetASuccessfulAnswer()
  And it should receive the complete list of currencies           # com.davidbonelo.stepdefinitions.CurrencySteps
    .itShouldReceiveTheCompleteListOfCurrencies()
```

Reporte Junit-Cucumber

RunLatamTest

9	2	0	5m40.45s
tests	failures	ignored	duration

77%
successful

Failed tests   **Tests**   Standard output

Test	Duration	Result
Currency operations - Currencies list	1.383s	passed
Currency operations - Obtain the current price for a cryptocurrency - Examples - Example #1.1	1.346s	passed
Currency operations - Obtain the current price for a cryptocurrency - Examples - Example #1.2	0.428s	passed
Flights - Create tickets order - Examples - Example #1.1	1m40.80s	passed
Flights - See flight clases	45.280s	passed
Flights - See flight offer info	42.829s	passed
User SignIn - Sign in attempt with a not registered email	55.704s	passed
User SignIn - Successful sign in	44.356s	failed
User Signup - successful signup	48.322s	failed

Se evidencia que el sitio web presenta fallos en las funcionalidades de inicio de sesión y registro de usuarios