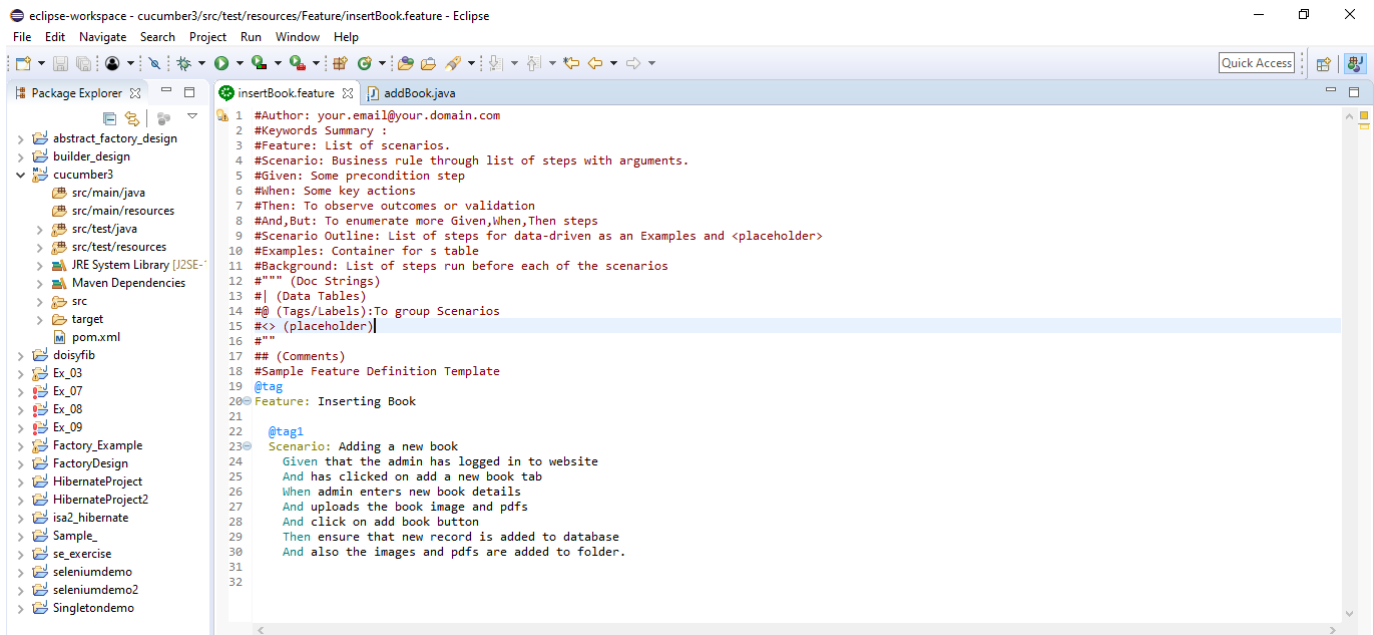


Sprint 2: Testing using Selenium Cucumber

1) Add Book

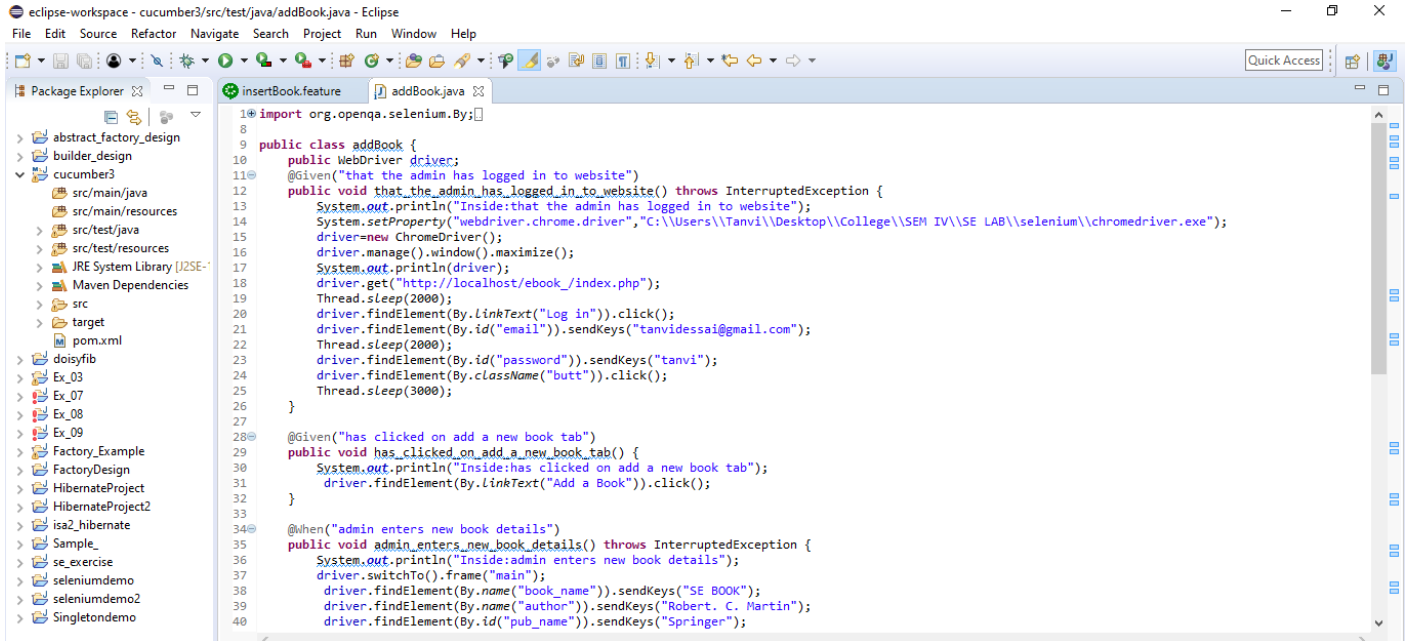
Video link for inserting book: <https://drive.google.com/file/d/13MZfW-Xf6fwP9ohxbD-Aml1Y8nNkWhu5/view?usp=sharing>

insertBook.feature

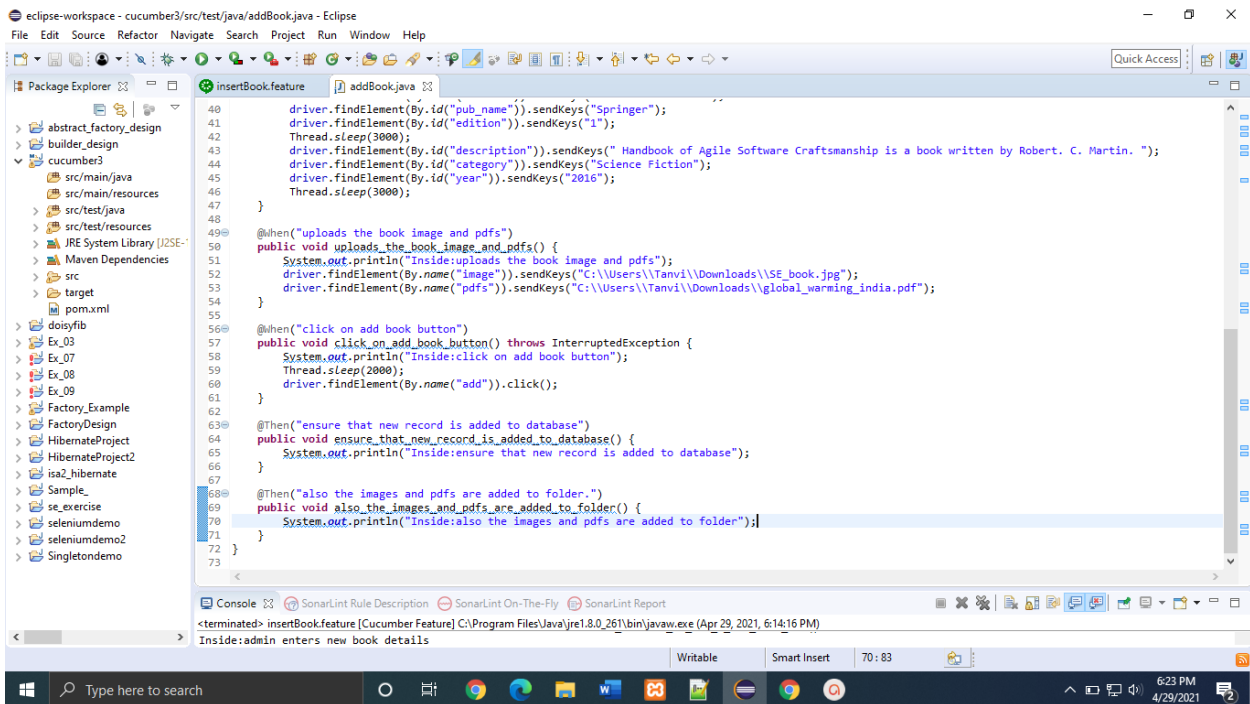


```
1 #Author: your.email@your.domain.com
2 #Keywords Summary :
3 #Feature: List of scenarios.
4 #Scenario: Business rule through list of steps with arguments.
5 #Given: Some precondition step
6 #When: Some key actions
7 #Then: To observe outcomes or validation
8 #And,But: To enumerate more Given,When,Then steps
9 #Scenario Outline: List of steps for data-driven as an Examples and <placeholder>
10 #Examples: Container for s table
11 #Background: List of steps run before each of the scenarios
12 #"" (Doc Strings)
13 #| (Data Tables)
14 #@ (Tags/Labels):To group Scenarios
15 #<> (placeholder)
16 #""
17 ## (Comments)
18 #Sample Feature Definition Template
19 @tag
20 Feature: Inserting Book
21
22 @tag1
23 Scenario: Adding a new book
24     Given that the admin has logged in to website
25     And has clicked on add a new book tab
26     When admin enters new book details
27     And uploads the book image and pdfs
28     And click on add book button
29     Then ensure that new record is added to database
30     And also the images and pdfs are added to folder.
31
32
```

addBook.java



```
1 import org.openqa.selenium.By;
2
3 public class addBook {
4     public WebDriver driver;
5     @Given("that the admin has logged in to website")
6     public void that_the_admin_has_logged_in_to_website() throws InterruptedException {
7         System.out.println("Inside:that the admin has logged in to website");
8         System.setProperty("webdriver.chrome.driver","C:\\Users\\Tanvi\\Desktop\\College\\SEM IV\\SE LAB\\selenium\\chromedriver.exe");
9         driver=new ChromeDriver();
10        driver.manage().window().maximize();
11        System.out.println(driver);
12        driver.get("http://localhost/ebook_/index.php");
13        Thread.sleep(2000);
14        driver.findElement(By.linkText("Log in")).click();
15        driver.findElement(By.id("email")).sendKeys("tanvidessai@gmail.com");
16        Thread.sleep(2000);
17        driver.findElement(By.id("password")).sendKeys("tanvi");
18        driver.findElement(By.className("butt")).click();
19        Thread.sleep(3000);
20    }
21    @Given("has clicked on add a new book tab")
22    public void has_clicked_on_add_a_new_book_tab() {
23        System.out.println("Inside:has clicked on add a new book tab");
24        driver.findElement(By.linkText("Add a Book")).click();
25    }
26    @When("admin enters new book details")
27    public void admin_enters_new_book_details() throws InterruptedException {
28        System.out.println("Inside:admin enters new book details");
29        driver.switchTo().frame("main");
30        driver.findElement(By.name("book_name")).sendKeys("SE BOOK");
31        driver.findElement(By.name("author")).sendKeys("Robert. C. Martin");
32        driver.findElement(By.id("pub_name")).sendKeys("Springer");
```



```
40        driver.findElement(By.id("pub_name")).sendKeys("Springer");
41        driver.findElement(By.id("edition")).sendKeys("1");
42        Thread.sleep(3000);
43        driver.findElement(By.id("description")).sendKeys(" Handbook of Agile Software Craftsmanship is a book written by Robert. C. Martin. ");
44        driver.findElement(By.id("category")).sendKeys("Science Fiction");
45        driver.findElement(By.id("year")).sendKeys("2016");
46        Thread.sleep(3000);
47    }
48    @When("uploads the book image and pdfs")
49    public void uploads_the_book_image_and_pdfs() {
50        System.out.println("Inside:uploads the book image and pdfs");
51        driver.findElement(By.name("image")).sendKeys("C:\\Users\\Tanvi\\Downloads\\SE_book.jpg");
52        driver.findElement(By.name("pdfs")).sendKeys("C:\\Users\\Tanvi\\Downloads\\global_warming_india.pdf");
53    }
54    @When("click on add book button")
55    public void click_on_add_book_button() throws InterruptedException {
56        System.out.println("Inside:click on add book button");
57        Thread.sleep(2000);
58        driver.findElement(By.name("add")).click();
59    }
60    @Then("ensure that new record is added to database")
61    public void ensure_that_new_record_is_added_to_database() {
62        System.out.println("Inside:ensure that new record is added to database");
63    }
64    @Then("also the images and pdfs are added to folder")
65    public void also_the_images_and_pdfs_are_added_to_folder() {
66        System.out.println("Inside:also the images and pdfs are added to folder");
67    }
68    }
69    }
70    }
71    }
72    }
73    }
```

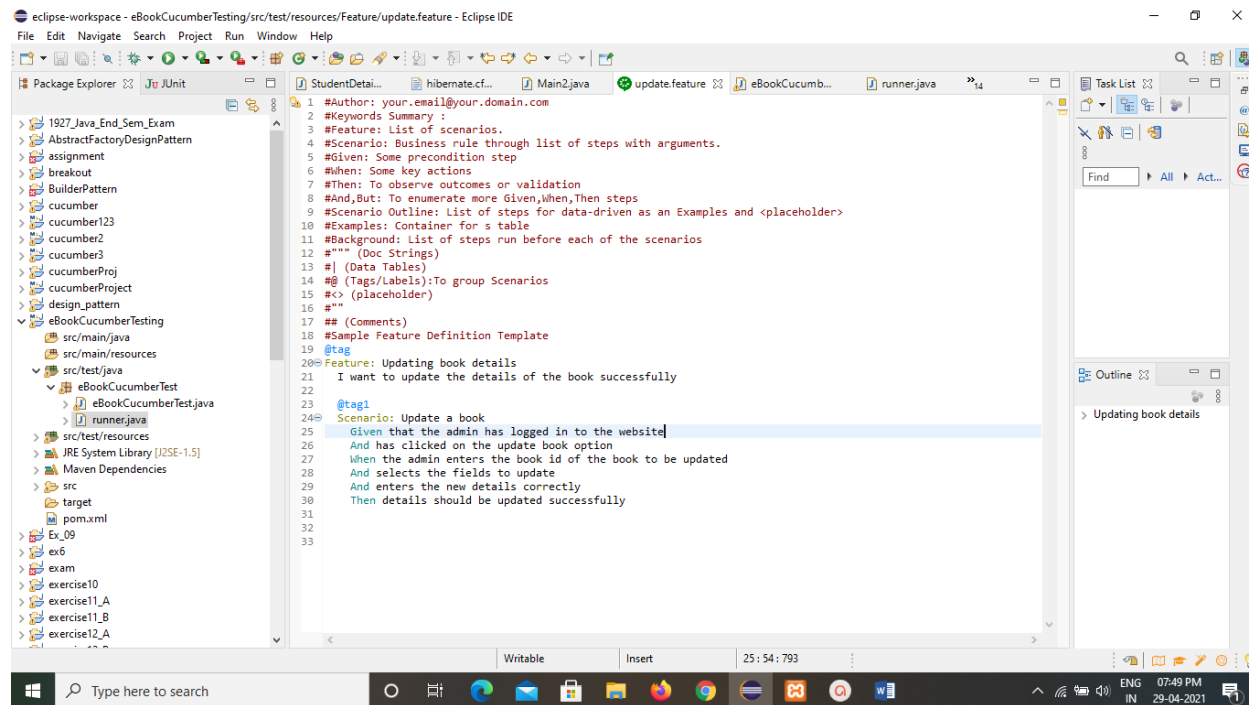
<terminated> insertBook.feature [Cucumber Feature] C:\Program Files\Java\jdk1.8.0_261\bin\javaw.exe (Apr 29, 2021, 6:14:16 PM)
Inside:admin enters new book details

2) Update book using selenium:

Video link:

https://drive.google.com/file/d/1_tUzt_-luhLflIHxSBvaiJhEyV7bYixq/view?usp=sharing

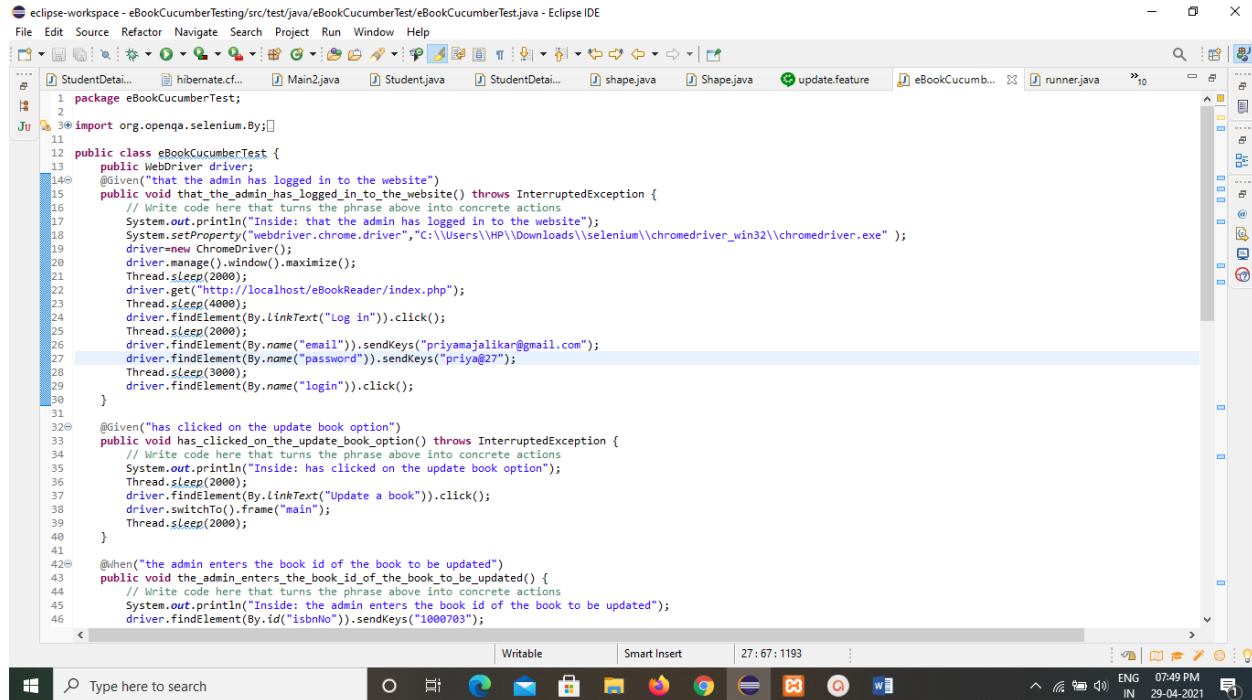
update.feature:



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left displays a project structure with a folder named 'eBookCucumberTesting' containing subfolders for 'src/main/java', 'src/main/resources', 'src/test/java', and 'src/test/resources'. The 'src/test/java' folder is expanded, showing 'eBookCucumberTest.java' and 'runner.java'. The main editor window displays the 'update.feature' file, which is a Cucumber feature file. The file contains a feature definition for 'Updating book details' and a scenario 'Update a book'. The scenario steps are: 'Given that the admin has logged in to the website', 'And has clicked on the update book option', 'When the admin enters the book id of the book to be updated', 'And selects the fields to update', 'And enters the new details correctly', and 'Then details should be updated successfully'. The file also includes a sample feature definition template with various Cucumber annotations like '@author', '@keywords', '@scenario', '@given', '@when', '@then', '@and', '@but', '@examples', '@background', '@docstrings', '@data tables', '@tags', and '@placeholder'.

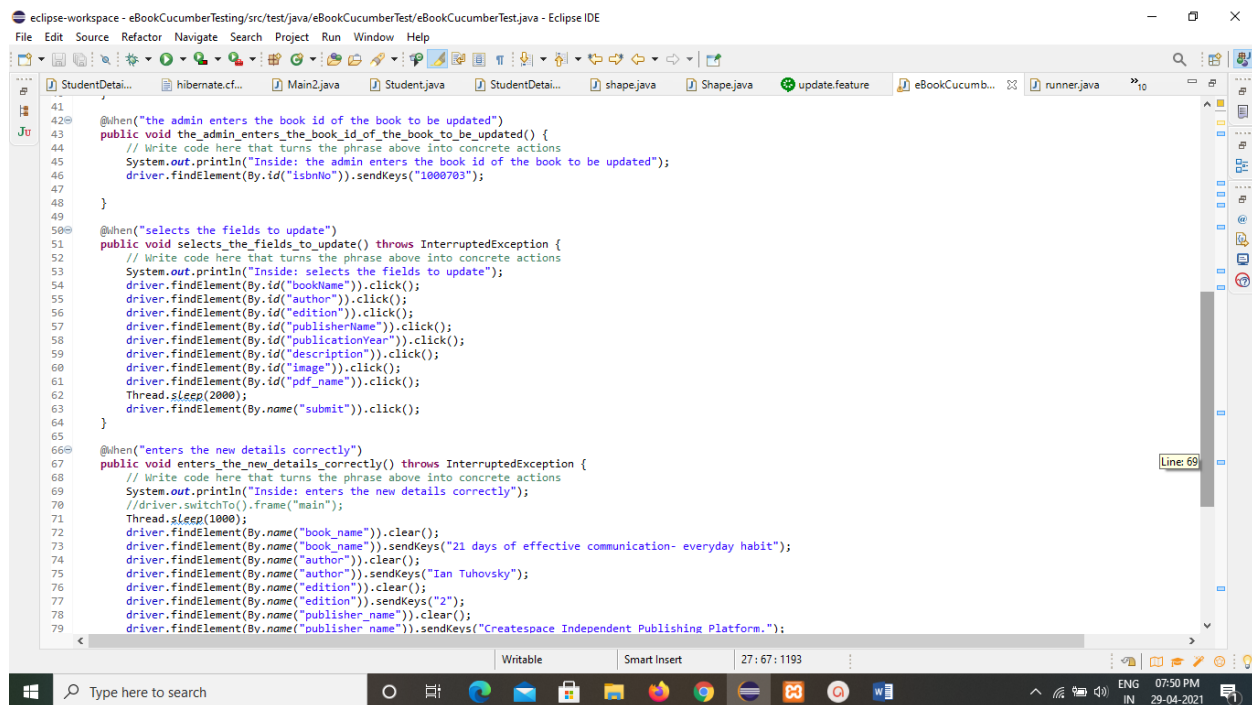
```
1 #Author: your.email@your.domain.com
2 #Keywords Summary :
3 #Feature: List of scenarios.
4 #Scenario: Business rule through list of steps with arguments.
5 #Given: Some precondition step
6 #When: Some key actions
7 #Then: To observe outcomes or validation
8 #And,But: To enumerate more Given,When,Then steps
9 #Scenario Outline: List of steps for data-driven as an Examples and <placeholder>
10 #Examples: Container for s table
11 #Background: List of steps run before each of the scenarios
12 #"" (Doc Strings)
13 #| (Data Tables)
14 #@ (Tags/Labels):To group Scenarios
15 #<> (placeholder)
16 #""
17 ## (Comments)
18 #Sample Feature Definition Template
19 @tag
20 Feature: Updating book details
21 I want to update the details of the book successfully
22
23 @tag1
24 Scenario: Update a book
25 Given that the admin has logged in to the website
26 And has clicked on the update book option
27 When the admin enters the book id of the book to be updated
28 And selects the fields to update
29 And enters the new details correctly
30 Then details should be updated successfully
31
32
33
```

eBookCucumberTest.java:



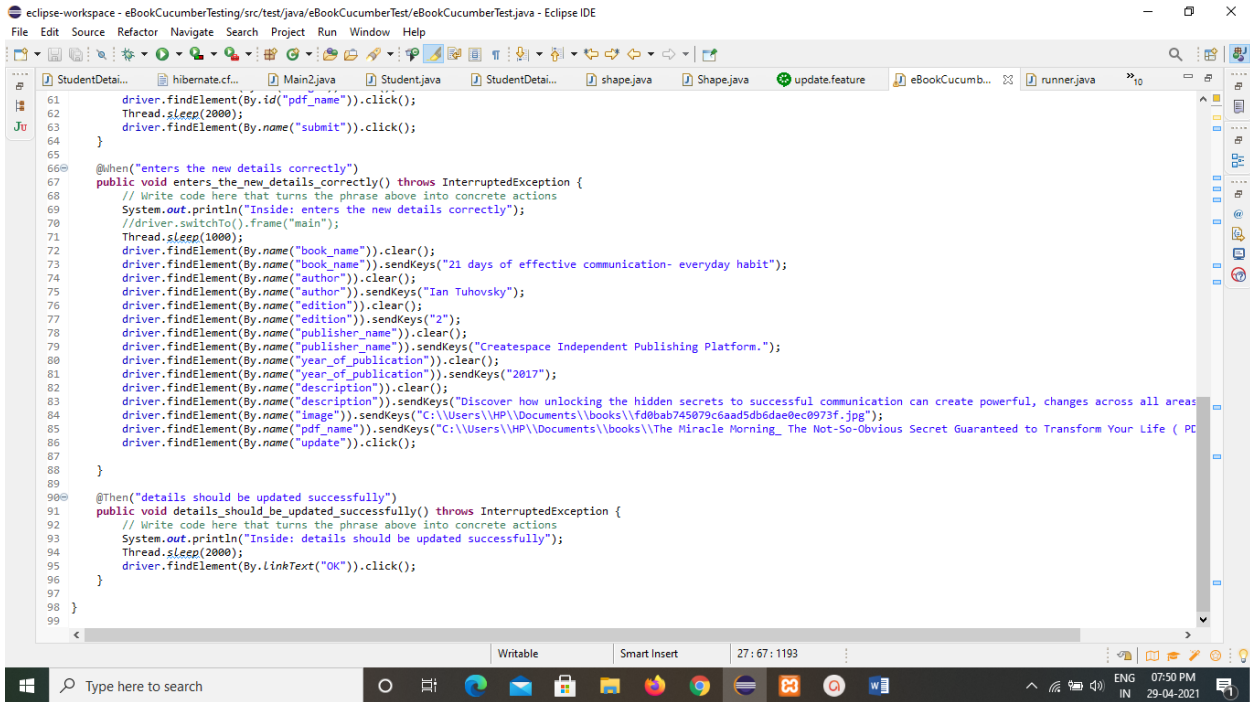
This screenshot shows the Eclipse IDE with the file eBookCucumberTest.java open. The code includes package declarations, imports, and three Cucumber test methods: @Given for login, @Given for clicking the update button, and @When for entering the book ID. The IDE interface includes a menu bar, toolbar, and a project explorer on the right.

```
1 package eBookCucumberTest;
2
3 import org.openqa.selenium.By;
4
5 public class eBookCucumberTest {
6     public WebDriver driver;
7
8     @Given("that the admin has logged in to the website")
9     public void that_admin_has_logged_in_to_the_website() throws InterruptedException {
10        // Write code here that turns the phrase above into concrete actions
11        System.out.println("Inside: that the admin has logged in to the website");
12        System.setProperty("webdriver.chrome.driver", "C:\\Users\\VHP\\Downloads\\selenium\\chromedriver_win32\\chromedriver.exe");
13        driver=new ChromeDriver();
14        driver.manage().window().maximize();
15        Thread.sleep(2000);
16        driver.get("http://localhost/eBookReader/index.php");
17        Thread.sleep(4000);
18        driver.findElement(By.linkText("Log in")).click();
19        Thread.sleep(2000);
20        driver.findElement(By.name("email")).sendKeys("priyamajalikar@gmail.com");
21        driver.findElement(By.name("password")).sendKeys("priya@27");
22        Thread.sleep(3000);
23        driver.findElement(By.name("login")).click();
24    }
25
26    @Given("has clicked on the update book option")
27    public void has_clicked_on_the_update_book_option() throws InterruptedException {
28        // Write code here that turns the phrase above into concrete actions
29        System.out.println("Inside: has clicked on the update book option");
30        Thread.sleep(2000);
31        driver.findElement(By.linkText("Update a book")).click();
32        driver.switchTo().frame("main");
33        Thread.sleep(2000);
34    }
35
36    @When("the admin enters the book id of the book to be updated")
37    public void the_admin_enters_the_book_id_of_the_book_to_be_updated() {
38        // Write code here that turns the phrase above into concrete actions
39        System.out.println("Inside: the admin enters the book id of the book to be updated");
40        driver.findElement(By.id("isbnNo")).sendKeys("1000703");
41    }
```



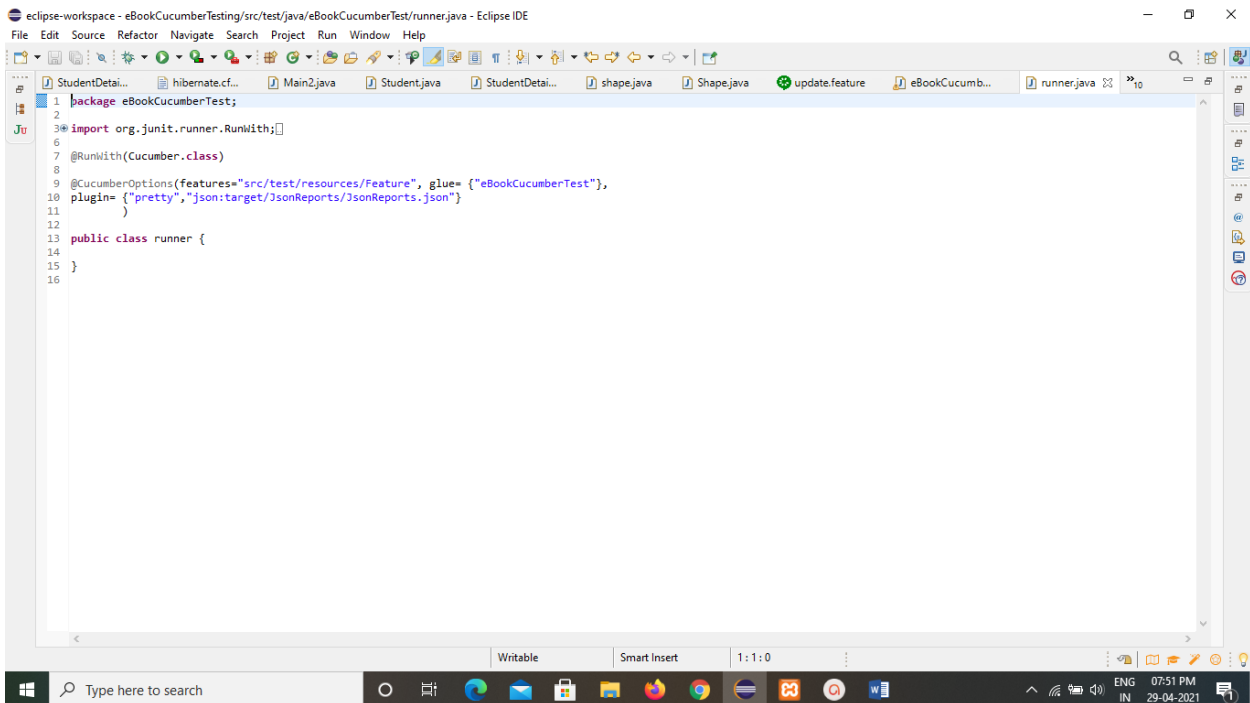
This screenshot shows the continuation of the eBookCucumberTest.java file in the Eclipse IDE. It includes the @When method for selecting fields to update and the @When method for entering new details. The IDE interface is consistent with the previous screenshot, showing the same menu bar and project explorer.

```
42    @When("the admin enters the book id of the book to be updated")
43    public void the_admin_enters_the_book_id_of_the_book_to_be_updated() {
44        // Write code here that turns the phrase above into concrete actions
45        System.out.println("Inside: the admin enters the book id of the book to be updated");
46        driver.findElement(By.id("isbnNo")).sendKeys("1000703");
47    }
48
49
50    @When("selects the fields to update")
51    public void selects_the_fields_to_update() throws InterruptedException {
52        // Write code here that turns the phrase above into concrete actions
53        System.out.println("Inside: selects the fields to update");
54        driver.findElement(By.id("bookName")).click();
55        driver.findElement(By.id("author")).click();
56        driver.findElement(By.id("edition")).click();
57        driver.findElement(By.id("publisherName")).click();
58        driver.findElement(By.id("publicationYear")).click();
59        driver.findElement(By.id("description")).click();
60        driver.findElement(By.id("image")).click();
61        driver.findElement(By.id("pdf_name")).click();
62        Thread.sleep(2000);
63        driver.findElement(By.name("submit")).click();
64    }
65
66    @When("enters the new details correctly")
67    public void enters_the_new_details_correctly() throws InterruptedException {
68        // Write code here that turns the phrase above into concrete actions
69        System.out.println("Inside: enters the new details correctly");
70        //driver.switchTo().frame("main");
71        Thread.sleep(1000);
72        driver.findElement(By.name("book_name")).clear();
73        driver.findElement(By.name("book_name")).sendKeys("21 days of effective communication- everyday habit");
74        driver.findElement(By.name("author")).clear();
75        driver.findElement(By.name("author")).sendKeys("Ian Tuhovsky");
76        driver.findElement(By.name("edition")).clear();
77        driver.findElement(By.name("edition")).sendKeys("2");
78        driver.findElement(By.name("publisher_name")).clear();
79        driver.findElement(By.name("publisher_name")).sendKeys("Createspace Independent Publishing Platform.");
80    }
```



```
eclipse-workspace - eBookCucumberTesting/src/test/java/eBookCucumberTest/eBookCucumberTest.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
StudentDetail... hibernate.cf... Main2.java Student.java StudentDetail... shape.java Shape.java update.feature eBookCucumb... runner.java »10
61 driver.findElement(By.id("pdf_name")).click();
62 Thread.sleep(2000);
63 driver.findElement(By.name("submit")).click();
64 }
65
66 @When("enters the new details correctly")
67 public void enters_the_new_details_correctly() throws InterruptedException {
68     // Write code here that turns the phrase above into concrete actions
69     System.out.println("Inside: enters the new details correctly");
70     //driver.switchTo().frame("main");
71     Thread.sleep(1000);
72     driver.findElement(By.name("book_name")).clear();
73     driver.findElement(By.name("book_name")).sendKeys("21 days of effective communication- everyday habit");
74     driver.findElement(By.name("author")).clear();
75     driver.findElement(By.name("author")).sendKeys("Ian Tuhovsky");
76     driver.findElement(By.name("edition")).clear();
77     driver.findElement(By.name("edition")).sendKeys("2");
78     driver.findElement(By.name("publisher_name")).clear();
79     driver.findElement(By.name("publisher_name")).sendKeys("Createspace Independent Publishing Platform.");
80     driver.findElement(By.name("year_of_publication")).clear();
81     driver.findElement(By.name("year_of_publication")).sendKeys("2017");
82     driver.findElement(By.name("description")).clear();
83     driver.findElement(By.name("description")).sendKeys("Discover how unlocking the hidden secrets to successful communication can create powerful, changes across all areas");
84     driver.findElement(By.name("image")).sendKeys("C:\\Users\\VHP\\Documents\\books\\fd0bab745079c6aad5db6dae8ec0973f.jpg");
85     driver.findElement(By.name("pdf_name")).sendKeys("C:\\Users\\VHP\\Documents\\books\\The Miracle Morning_ The Not-so-Obvious Secret Guaranteed to Transform Your Life ( PC
86     driver.findElement(By.name("update")).click();
87 }
88
89
90 @Then("details should be updated successfully")
91 public void details_should_be_updated_successfully() throws InterruptedException {
92     // Write code here that turns the phrase above into concrete actions
93     System.out.println("Inside: details should be updated successfully");
94     Thread.sleep(2000);
95     driver.findElement(By.linkText("OK")).click();
96 }
97 }
98 }
99 }
Writable Smart Insert 27: 67: 1193
Type here to search ENG 07:50 PM 29-04-2021
```

Runner.java:



```
eclipse-workspace - eBookCucumberTesting/src/test/java/eBookCucumberTest/runner.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
StudentDetail... hibernate.cf... Main2.java Student.java StudentDetail... shape.java Shape.java update.feature eBookCucumb... runner.java »10
1 package eBookCucumberTest;
2
3 import org.junit.runner.RunWith;
4
5 @RunWith(Cucumber.class)
6
7 @CucumberOptions(features="src/test/resources/Feature", glue= {"eBookCucumberTest"},
8 plugin= {"pretty", "json:target/JsonReports/JsonReports.json"})
9
10 public class runner {
11 }
12
13 }
14
15
16
Writable Smart Insert 1: 1: 0
Type here to search ENG 07:51 PM 29-04-2021
```