

SOFTWARE VERIFICATION, VALIDATION AND TESTING

TESTING DOCUMENTATION

ROYAL COLLECTION TRUST TESTING

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1. Introduction

1.1. About the Project

The Royal Collection Trust supervises the public opening of His Majesty The King's official residences and looks after the Royal Collection, one of the most significant art collections in the world. They seek to ensure that the Royal Collection and Palaces are respected and enjoyed by everyone through their work, which ranges from exhibitions and learning initiatives to publications and retail products. Their website offers enhanced and more inclusive access to the Royal Collection, so that the Collection can be enjoyed by as many individuals as possible.

Link to the website: <https://www.rct.uk/about/royal-collection-trust>

1.2. Project Functionalities and Screenshots

Visit Buckingham Palace:

- The website provides the ability to virtually visit Buckingham Palace, receive information on it and check out its many glorious rooms. The rooms, which are considered the highlights of the palace include throne room, drawing room, ballroom, music room etc. You have the option to explore each of those rooms in a 360 image.



HIGHLIGHTS



WHITE DRAWING ROOM



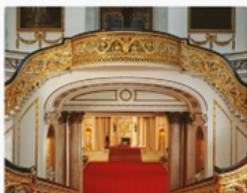
THRONE ROOM



BALLROOM



MUSIC ROOM



GRAND STAIRCASE



PALACE GARDEN



CHANGING THE GUARD



TREASURES OF THE PALACE

Explore the Picture Gallery in our 360 image



Windows Ink Workspace

Keep in touch:

- If you are interested, you can sign up to email updates for the latest news, exclusive events and 15% off in their online shop.

[BACK TO TOP ^](#)

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[SUBSCRIBE](#)

Quick Links

Contact us
1-Year Pass
Covid-19 Information
Policies
Picture Library
Working for us
Travel Trade & Groups
Press Office
Resources

Official Royal Residences

Buckingham Palace
The Royal Mews, Buckingham Palace
The Queen's Gallery, Buckingham Palace
Clarence House
Windsor Castle
Frogmore House
Palace of Holyroodhouse
The Queen's Gallery, Palace of Holyroodhouse

The income from your ticket contributes directly to The Royal Collection Trust, a registered charity. The aims of The Royal Collection Trust are the care and conservation of the Royal Collection, and the promotion of access and enjoyment through exhibitions, publications, loans and educational activities.

[View more information](#)**Book tickets:**

- Besides London and Buckingham Palace, you can visit other castles in Windsor and Edinburgh. You can also book the tickets according to the castle you wish to visit.

[◀ BACK TO SITE](#)

YOU ARE BOOKING

WINDSOR CASTLE

[Book in advance for best value](#)[Visit the home of 1,000 years of royal history](#)[Explore 15th-century St George's Chapel](#)

[!\[\]\(5eb1325dfdc3f1cad8426726c0db51cd_img.jpg\) BACK TO EXTRAS](#)

Review your basket

Windsor Castle

Thursday, 5 January 2023, 14:30 entry time

Adult £28.00 2 £56.00

[Amend ticket\(s\)](#)

Basket total

Total: £56.00

 Have a discount code? You can apply it during checkout.

gift aid it

Browse the Royal Collection:

- When it comes to The Royal Collection you can browse through it according to your needs. You can type in keywords for the art piece you are looking for and then filter through results. They present you with the pictures and all information and historical facts related to the piece. Besides the art pieces, you can view other things such as exhibitions.

Explore the Collection

Search the Collection (e.g. for people, categories, items)



WHO



WHAT



WHERE



WHEN

Exhibitions

Royal Collection exhibitions past and present can be explored digitally with exclusive online content



Windows Ink Workspace

[WHO](#) [WHAT](#) [WHERE](#) [WHEN](#) [MORE](#)

Search the Collection (e.g. for people, categories, items)



Filter objects by the people who created, commissioned, acquired or appear in them

Type a name

281,812 items found

 Results with images

ORDER BY: RELEVANCY



1 2 3 4 5 ... 35227 JUMP TO

Annual Reports:

- Find out more about the activities of the Royal Collection Trust in Annual Reports. The Annual Reports of Royal Collection Trust can be downloaded as pdf files.

Current reports

[Annual Report 2021-22 \(2.7MB\)](#)

DOWNLOAD

[Financial statements 2021-22 \(1MB\)](#)

DOWNLOAD

Previous years' reports

[Annual Report 2020-21 \(2.7MB\)](#)

DOWNLOAD

[Annual Report 2019-2020 \(9MB\)](#)

DOWNLOAD

[Annual Report 2018-19 \(5MB\)](#)

DOWNLOAD

[Annual Report 2017-2018 \(4MB\)](#)

DOWNLOAD

[Annual Report 2016-2017 \(5MB\)](#)

DOWNLOAD

The Crown Jewels:

- One of the most interesting things in the collection are the crown jewels. The Crown Jewels are the most famous of the nation's treasures. You can view each jewel and read incredible facts regarding them.

The screenshot shows the Royal Collection Trust website with a navigation bar at the top. Below the navigation, there is a section titled "Click on a section below to find out more." with four cards. Each card contains an image of a specific item from the Crown Jewels and a brief description.

- The regalia of Charles II**
The regalia made for Charles II in 1660 is the central part of today's Crown Jewels
- St Edward's Crown**
The crown used at the moment of Coronation
- Banqueting and church plate**
Stored at the Jewel House, the plate is considered part of the Crown Jewels
- Regalia for Queens, Consorts & Emperors**
Additions to the Crown Jewels have been made since the Restoration

Resources:

- At the bottom of their Home page, under the Quick Links is a Resources link. It is a very useful tool that can get you anything from lectures to online interactives, resources are all full of historical facts, insights and fun learning opportunities. They come in video and pdf formats that you can download.

The screenshot shows the Royal Collection Trust website's Resources page. At the top, there is a search bar and a "Filter results" button. Below this, a heading reads "RESOURCES" with a subtext: "From lectures to online interactives, our resources are all full of historical facts, insights and fun learning opportunities". There is also a "Search by curriculum theme, subject etc." input field and a search icon.

228 items found

1 2 3 4 5 ... 29

Log in:

- You can also log in to your account to easily view your tickets, manage upcoming visits or change your account details.

ROYAL
COLLECTION
TRUST

HOME LOGIN

Log in to my account

View your tickets, manage upcoming visits or change your account details.

Enter your e-mail address

Enter your password

LOGIN TO MY ACCOUNT

I've forgotten my password

2. Test Plan

2.1. Scope

We plan on covering the entirety of the page, but not all features. We will choose at random since there are many of them and they tend to repeat themselves.

2.2. Testing Environment and Tools

We are using *Selenium* and *ChromeDriver*. Selenium is an open source umbrella project that supports browser automation. Additionally, it offers a test domain-specific language that can be used to build tests in a variety of well-known programming languages, including *Java*, which we used. We used Selenium on *Windows*. For IDE we used *Eclipse*.

3. Test Execution

3.1. Visit the Buckingham Palace Page And Newsletter Subscription

Enter the page that contains all information about the palace and subscribe to the newsletter.

Test Name: Buckingham Palace Page Test

Description: Test if the link works.

Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Go to the home page</p> <p>2. Click on the Buckingham palace card</p> <p>3. Go to the Highlights of the BP page</p> <p>4. Check the title</p> <p>5. Write an email and click subscribe at the bottom of the page</p>	- email credential for newsletter subscription	-we were successfully guided through the pages and were managed to subscribe to the newsletter	-we were successfully guided through the pages and were managed to subscribe to the newsletter	PASS

Notes:

```

@Test
public void buckinghamPalaceTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.findElement(By.xpath("//html/body/div/div/div[3]/div[1]/div[2]/div[1]/div/div/div[4]/div/a/div/img")).click();
    Thread.sleep(5000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div[2]/div[2]/div[1]/div/div/div[3]/a/div/img")).click();
    Thread.sleep(2000);
    String title = webDriver.getTitle();
    assertEquals("Highlights of Buckingham Palace", title);
    WebElement emailSubscribe = webDriver.findElement(By.xpath("//html/body/div/div/div[7]/div/div/div[1]/div/div/form/input[6]"));
    emailSubscribe.sendKeys("adnank@gmail.com");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[7]/div/div/div[1]/div/div/form/button")).click();
    Thread.sleep(2000);
    webDriver.get(baseUrl);
    Thread.sleep(2000);
}

```

3.2. Book Tickets

Testing the booking form for the tour tickets.

Test Name: Book Tickets for Windsor Castle				
Description: Enter the page of the castle and check if the form for booking tickets for the tour works properly.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
<p>1. Visit Home page</p> <p>2. Click on the Windsor Castle card</p> <p>3. Proceed to the Highlights of the WC page</p> <p>4. Click the Book Tickets button</p> <p>5. Click Select this ticket</p>	- detailed user credential (personal information)	- Successful flow through pages and successful insert of the user data	- Successful flow through pages and successful insert of the user data	PASS

button
6. Insert two adults, and one young person ticket and proceed
7. Select date and time
8. Click the No thanks, checkout now button
9. Click the checkout button
10. Insert credentials and then click the Email my order
11. Select country, city and insert the street
12. Click continue and finish the order

Notes: We did not complete the order due to payment

```

@Test
public void buyTicketWindsorCastleTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.findElement(By.xpath("//html/body/div/div/div[4]/div/div/div[3]/div[1]/div[2]/div[1]/div/div/div[1]/div/a/div/img")).click();
    Thread.sleep(5000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div/div[5]/div[1]/div[2]/div[1]/div/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div/div[3]/div[2]/div[1]/div/div/a*")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div/div[5]/div[9]/div[2]/div[1]/div/div[1]/div[2]/a*")).click();
    Thread.sleep(2000);
    WebElement adultTickets = webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[3]/div/div[2]/ul/li[1]/div[2]/label/div/div[1]/input"));
    adultTickets.sendKeys("2");
    WebElement youngTickets = webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[3]/div/div[2]/ul/li[4]/div[2]/label/div/div[1]/input"));
    youngTickets.sendKeys("1");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[3]/div/div[3]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[1]/div/div[1]/div/div[2]/div/div[3]/div[5]/div[6]")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[1]/div/div[3]/div/div[2]/div[4]")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[2]/div/div[2]/button")).click();
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[1]/div/div[3]/a/img")).click();
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div[2]/div/div[3]/a*")).click();
    Thread.sleep(2000);
    WebElement emailAddress = webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div/div/form/div[1]/input"));
    emailAddress.sendKeys("adnank@gmail.com");
    WebElement emailAddressConfirm = webDriver.findElement(By.xpath("//html/body/div/div/div/div/form/div[2]/input"));
    emailAddressConfirm.sendKeys("adnank@gmail.com");
    WebElement mobileNumber = webDriver.findElement(By.xpath("//html/body/div/div/div/div/form/div[3]/input"));
    mobileNumber.sendKeys("0603334343");
}

Select personTitle = new Select(webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[4]/div/select")));
personTitle.selectByVisibleText("Mr");
WebElement firstName = webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[5]/div[1]/input"));
firstName.sendKeys("Adnan");
WebElement lastName = webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[5]/div[2]/input"));
lastName.sendKeys("Krndzija");
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[6]/button")).click();
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div/div/div/div/div[1]/button")).click();
Thread.sleep(4000);
webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[1]/div/span/span/div/div/button")).click();
Thread.sleep(2000);
WebElement countryInput = webDriver.findElement(By.xpath("//html/body/div/div/div/div/div/input"));
countryInput.sendKeys("Bosnia and Herzegovina");
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div/div/div/div/div/a")).click();
Thread.sleep(2000);
WebElement address = webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[2]/input"));
address.sendKeys("sarajevo");
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div[3]/div[2]/div[2]/span")).click();
Thread.sleep(2000);
WebElement addressLine = webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[4]/input"));
addressLine.clear();
addressLine.sendKeys("Sarajevo 1");
WebElement city = webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[6]/input"));
city.clear();
city.sendKeys("Sarajevo");
WebElement postalCode = webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[7]/input"));
postalCode.clear();
postalCode.sendKeys("Sarajevo");
Thread.sleep(3000);
webDriver.findElement(By.xpath("//html/body/div[1]/div[2]/div/div/div/form/div[8]/button")).click();
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[6]/div[2]/label/span")).click();
Thread.sleep(2000);
webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/form/div[7]/button")).click();
webDriver.get(baseUrl);
Thread.sleep(3000);
}

```

3.3. View The Crown Jewels

Testing to see if the links to the jewels are clickable.

Test Name: Review the Crown Jewels				
Description: Checking to see if all the links are accessible.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:

1. Visit Home page 2. Go to the The Crown jewels page 3. Click on each card and go back after every visit 4. On last card further click on the Pair of flagons card 5. Return to the home page		-we were successfully guided through the pages	-we were successfully guided through the pages	PASS
--	--	--	--	------

Notes:

```
@Test
public void crownJewelsReviewTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.findElement(By.xpath("//html/body/div/div/div[4]/div/div/div[3]/div[2]/div[1]/div/div/div[2]/div[1]/a/div/picture/img")).click();
    Thread.sleep(5000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div/div[4]/div/div/div[1]/div/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.navigate().back();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[4]/div/div/div[2]/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.navigate().back();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[4]/div/div/div[3]/div/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div[5]/div/div/div[2]/div/div[3]/div/div/div[1]/a/picture/img")).click();
    Thread.sleep(2000);
    webDriver.get(baseUrl);
    Thread.sleep(2000);
}
```

3.4. Check Annual Reports

Users are able to view and download relevant annual reports of Royal Collection Trust.

Test Name: Annual Reports Test				
Description: Check to see if users can access the annual reports page and download the desired pdf file.				
Pre-condition(s):				
Test Steps: 1. Visit the Home page 2. Click the Accept button for the cookies 3. Click the more button on the menu and select about section 4. Click Annual report card and click to open one of the pdf files	Test Data:	Expected Result: -successful flow through pages, all working buttons and successful redirection to the pdf file	Actual Result: -successful flow through pages, all working buttons and successful redirection to the pdf file	PASS
Notes:				

```

@Test
public void aboutAnnualReportsTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/a[1]")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/span[2]/ul/li[2]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div/div[1]/div[1]/a/div/picture/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[6]/div/div[1]/div/div[2]/a")).click();
    Thread.sleep(3000);
}

```

3.5. Social Media Links

Users must be able to access other social media links to find The Royal Collection Trust on different platforms.

Test Name: Social Media Links in Footer				
Description: Scroll down on the home page and access the provided social media links.				
Pre-condition(s):				
Test Steps: 1. Visit Home page 2. Click on the links for the socials on the bottom of the page	Test Data:	Expected Result: - successfully visit all the social media accounts	Actual Result: - successfully visit all the social media accounts	Status: PASS
Notes:				

```

@Test
public void footerSocialMediaLinksTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[1]/div/div/ul/li[1]/a/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[1]/div/div/ul/li[2]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[1]/div/div/ul/li[3]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[1]/div/div/ul/li[4]/a")).click();
    Thread.sleep(2000);
}

```

3.6. Login Test

Users can login into their accounts to view their tickets and manage upcoming visits.

Test Name: Login form	
Description: Tests the accessibility to the login form, inputs needed data and confirms the login.	

Pre-condition(s): Are there any conditions or other tests that need to be executed before this test; are there any test fixtures? If not, leave this blank.

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Visit the Home page 2. Click the Accept button for the cookies 3. Click the more button on the menu and select Login section 4. Insert email and password and proceed 5. Check the error message below the email field	- email and user's password	-Successfully enter the login page, enter input and display the error message	-Successfully enter the login page, enter input and display the error message	PASS

Notes: There is no option to create an account and that's why the error message appears.

```

@Test
public void loginTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/a[1]")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/span[2]/ul/li[4]/ul/li[2]/a")).click();
    Thread.sleep(2000);
    WebElement email = webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/form/div[1]/input"));
    email.sendKeys("adnan@gmail.com");
    Thread.sleep(2000);
    WebElement password = webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/form/div[2]/input"));
    password.sendKeys("123456789");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/form/button[1]")).click();
    Thread.sleep(2000);
    String errorMessage = webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/form/div[1]/div")).getText();
    assertTrue(errorMessage.contains("Your e-mail or password were not recognised"));
    Thread.sleep(2000);
}

```

3.7. Forgot Password Test

In case a user forgets their password, there is an option to renew it.

Test Name: Short test name				
Description: Tests if the form for inputting email works.				
Pre-condition(s): Are there any conditions or other tests that need to be executed before this test; are there any test fixtures? If not, leave this blank.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Visit the Home page 2. Click the more button on the menu and select Login section	- user's email	- That the reset link for the password have	- That the reset link for the password have	PASS

3. Click on the 'I've forgotten my password' link 4. Enter email and click on the Reset my password button 5. Wait for the display message that the reset link have been sent		been successfully been sent to the user	been successfully been sent to the user	
---	--	---	---	--

Notes:

```
@Test
public void forgotPasswordTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/a[1]")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/span[2]/ul/li[4]/ul/li[2]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div/form/button[2]/span")).click();
    Thread.sleep(2000);
    WebElement email = webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div/form/input"));
    email.sendKeys("adnan@gmail.com");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div/div/form/button")).click();
    Thread.sleep(2000);
    String resetEmailSent = webDriver.findElement(By.xpath("//html/body/div/div/div[2]/div/div/div/div")).getText();
    assertTrue(resetEmailSent.contains("reset link"));
    Thread.sleep(2000);
}
```

3.8. Policy Cookies Test

When a user first enters the website, they get the cookies pop up. They are able to review all the policies and filter them using a drop down menu.

Test Name: Policy Cookies Menu Test				
Description: Tests if the contents menu for cookies works and if it's clickable.				
Pre-condition(s): Are there any conditions or other tests that need to be executed before this test; are there any test fixtures? If not, leave this blank.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. Visit Home page 2. Click on the 'find out more link' for the cookies policy 3. Click on the contents menu 4. Choose the Competition terms and conditions		- Proper work of the links and the drop down menu	- Proper work of the links and the drop down menu	PASS
Notes:				

```

@Test
public void policyCookiesTCMenuTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[2]/div/div[1]/div[2]/ul/li[4]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div[4]/div/div/div[1]/div/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div[2]/div/div/div[1]")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div[2]/div/div/div[2]/ul/li[15]/div/div[1]/i")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div[2]/div/div/div[2]/ul/li[15]/div/div[2]/ul/li[1]/a")).click();
    Thread.sleep(2000);
}

```

3.9. Resource Material Search Test

Users can find all the resource material and can download them.

Test Name: Resource Material Test				
Description: Tests if the resources link is clickable, if the search bar is functional and if the download button is functional.				
Pre-condition(s): Are there any conditions or other tests that need to be executed before this test; are there any test fixtures? If not, leave this blank.				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1. On the bottom on the Home page click on the Resources link 2. Click on the Filter result and click on Adults 3. Cancel the filter and type in 'A present for a Princess' in the search bar.	- string input for the search bar	- successful filtration of the data and a working search bar	- successful filtration of the data and a working search bar	PASS
Notes:				

```

@Test
public void resourceMaterialSearchTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[6]/div/div[2]/div/div[1]/div[2]/ul/li[9]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div[2]/div[2]/div[2]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div[2]/div[2]/div[2]/div[2]/div/div[1]/div/ul/li[2]")).click();
    Thread.sleep(5000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div[2]/div[2]/div[2]/div/ul/li")).click();
    Thread.sleep(2000);
    WebElement searchBar = webDriver.findElement(By.xpath("//html/body/div/div[5]/div[2]/div[2]/div[2]/div/div[1]/div[1]/input"));
    searchBar.sendKeys("A present for a Princess");
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div[2]/div[2]/div[2]/div/div[1]/div[1]/button")).click();
    Thread.sleep(1000);
    webDriver.get(baseUrl);
    Thread.sleep(2000);
}

```

3.10. Royal Collection Search Test

Users want to be able to access the art collection page, search up and view any art piece of their interest.

Test Name: Collection Search Test				
Description: Check to see if the search bar is functional and items accessible.				
Pre-condition(s):				
Test Steps: 1. Visit Homepage and proceed to the Collection page 2. Click on the Who card 3. Type in Thomas Carlyle in the search bar 4. Click on one of the art pieces card	Test Data:	Expected Result: - User is taken to correct pages and is able to type into the search bar and receive desired results	Actual Result: - User is taken to correct pages and is able to type into the search bar and receive desired results	Status: PASS
Notes:				

```
#Test
public void royalCollectionSearchTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[4]/a[1]")).click();
    Thread.sleep(5000);
    String textUnderImage = webDriver.findElement(By.xpath("//html/body/div/div[4]/div/div/div[1]/div[2]/div/div/div[2]/div/div/a[1]")).getText();
    assertTrue(textUnderImage.contains("The head of Leda"));
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[4]/div/div[3]/div/div/div[1]/a/div/img")).click();
    Thread.sleep(2000);
    WebElement search = webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[1]/div/div[5]/div[2]/div[1]/div/div/form/input"));
    search.sendKeys("Thomas Carlyle");
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[1]/div/div[5]/div[2]/div[1]/div/div/form/ul/li/a/span/span")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[2]/div[2]/div/div/div/div[1]/div[8]/div/div[1]/div/a/div/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[2]/div[1]/div/div/div[4]/ul/li[2]/div[1]/h4/a")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[2]/div[1]/div/div/div[3]/div/div/div[4]/ul/li[2]/div[2]/div[1]/div/div/a")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div[1]/div/div[4]/div/div/div[3]/a")).click();
    Thread.sleep(2000);
}
```

3.11. About Annual Reports Test

The Annual Reports of Royal Collection Trust can be downloaded as pdf files by the users if they wish to find out more about the activities of the Royal Collection Trust.

Test Name: Annual reports check				
Description: Check to see if annual reports pdf files are downloadable.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:

1.Go to the Home page 2. Click on the More menu and choose About 3.Click on the Annual Reports card 4.Click on the download button for the pdf file		- Successful redirection to the Annual Reports page and successful download of the pdf file	- Successful redirection to the Annual Reports page and successful download of the pdf file	PASS
--	--	---	---	------

Notes:

```
@Test
public void aboutAnnualReportsTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[1]/div/p/button")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/a[1]")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div[1]/ul/li[6]/span[2]/ul/li[2]/a")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[3]/div/div/div[1]/div[1]/a/div/picture/img")).click();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[5]/div/div/div[6]/div/div/div[1]/div/div[2]/a")).click();
    Thread.sleep(3000);
}
```

3.12. Changing window size

Users must be able to size the window according to their needs.

Test Name: Window resize test				
Description: Check if the window can be resized successfully				
Pre-condition(s):				
Test Steps: 1. Go to the Home page 2. Maximize the window 3. Close it and open new chrome window 4. Size it to a specific number	Test Data: - The window size proportions	Expected Result: - Successfully resize the window	Actual Result: - Successfully resize the window	PASS
Notes:				

```

@Test
public void changingWindowSizeTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.close();
    ChromeOptions options = new ChromeOptions();
    options.addArguments("--window-size=1024,768");
    webDriver = new ChromeDriver(options);
    Thread.sleep(5000);
}

```

3.13. Display Alert Dialog Box

An alert dialog box is a special dialog box that is displayed when something unexpected occurs that requires immediate user action.

Test Name: Alert Dialog Box Test				
Description: Check if the specified alert dialog box is successfully displayed				
Pre-condition(s):				
Test Steps: 1. Open the Home Page 2. Create an alert dialog box that says 'Welcome to the Royal Collection Trust website!'	Test Data: - The alert dialog box text	Expected Result: - Successfully display the dialog box	Actual Result: - Successfully display the dialog box	Status: PASS
Notes: The alert dialog box is just for testing purposes.				

```

@Test
public void displayAlertDialogTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    js.executeScript("alert('Welcome to the Royal Collection Trust website!')");
    Thread.sleep(4000);
}

```

3.14. Redirecting to new website

Users must be able to be redirected to new pages if needed.

Test Name: Redirection test
Description: Check if the redirection to the new page is successful
Pre-condition(s):

Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Go to the Home page 2. Scroll from 0 to 600 3. Redirect to the new page	- Numbers for scrolling and link for the page we want to be redirected to	- Successful scrolling through the page and redirection	- Successful scrolling through the page and redirection	PASS
Notes:				

```
@Test
public void redirectingToNewWebsiteTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    JavascriptExecutor js = (JavascriptExecutor) webDriver;
    js.executeScript("window.scrollBy(0, 600)");
    Thread.sleep(2000);
    js.executeScript("window.location = 'https://www.google.com'");
    Thread.sleep(4000);
}
```

3.15. Exhibition time check test

Users must be able to see if their desired time slot for their activity is available for choosing

Test Name: Time Check Test				
Description: Check if the desired activity is being held at the specified time.				
Pre-condition(s):				
Test Steps:	Test Data:	Expected Result:	Actual Result:	Status:
1.Go to the Home page 2. Click on More and choose My basket 3.Click on the See what's on button 4. Choose the 'Exhibition Talk for Groups - Japan: Courts and Culture' ,	- The hour we want to test	- Successfully check if the exhibition is being held at the given time	- Successfully check if the exhibition is being held at the given time	PASS
Notes:				

```

@Test
public void checkTimeOnExhibitionTalkTest() throws InterruptedException {
    webDriver.get(baseUrl);
    webDriver.manage().window().maximize();
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div[2]/div[2]/div[1]/ul/li[6]/a[1]")).click();
    Thread.sleep(1000);
    webDriver.findElement(By.xpath("//html/body/div[2]/div[1]/ul/li[6]/span[2]/ul/li[4]/ul/li[1]/a"));
    Thread.sleep(2000);
    webDriver.findElement(By.xpath("//html/body/div/div[2]/div/div/div/button")).click();
    Thread.sleep(3000);
    webDriver.findElement(By.xpath("//html/body/div[2]/div[5]/div[3]/div/div/div/div[4]/div/div/div[2]/div/div/div/div/div[1]/div/div[1]/div/a/div/img")).click();
    Thread.sleep(3000);
    String time = webDriver.findElement(By.xpath("//html/body/div[2]/div[5]/div[1]/div[3]/div/div/div[4]/div/div/div[2]/div/div/div[1]/div/div[1]/div[1]/div[3]")).getText();
    assertTrue(time.contains("11"));
    Thread.sleep(3000);
}

```

9. Conclusion

9.1. Testing Summary

Testing Tool	Total Tests	Passed Tests	Failed Tests
Eclipse IDE (Selenium, ChromeDriver)	15	15	0

9.2. Final Thoughts

The Royal Collection trust webpage was beautifully done and had all the information and features needed. The page was very fun to interact with and most importantly, very easily accessible for users.

We found that certain things could have been simplified and more straightforward. Additionally, since a lot of the website's features are relatively comparable, no additional testing was required.

Through this assignment, we gained more expertise in using Selenium to test websites.