

A Project Report on
SELF CARE DESIGN

Submitted to
Edubridge Learning Private Limited, Thane
In partial fulfilment of the requirements for the award of
Course in
SOFTWARE TESTING

By
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Course for Software Testing



Edubridge Learning Private Limited, Chennai

2022-2023
EDUBRIDGE LEARNING COURSE

BONAFIDE CERTIFICATE

Certified that this project report “SELF -CARE DESIGN” is the Bonafide work of “TEJASWINI I.K” who carried out the mini project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on these basis of which a degree or award was conferred on an earlier occasion on any other candidate.

SIGNATURE OF THE SUPERVISOR
Mrs. MOHANA PRIYA B.E M.E (Ph.D.)
TRAINER OF SOFTWARE TEST ENGINEER
EDUBRIDGE LEARNING COURSE

TABLE OF CONTENT

1. INTRODUCTION

1.1 Objective

1.2 Scope

2. HARDWARE AND SOFTWARE REQUIREMENTS

3. SYSTEM DESIGN

3.1 Use case diagram

3.2 Activity Diagram

3.3 Class Diagram

3.4 ER Diagram

3.5 Data Level Flow Diagram

4. IMPLEMENTATION

4.1 Module

4.2 Coding

4.3 Screenshots

4.3 Database Connectivity

5. SYSTEM TESTING

5.1 Types of Testing

5.2 Testing Methodology

5.3 Equivalence class Partitioning

5.4 Test Report

5.4.1 Test cases

5.4.2 Automation Testing code

6.CONCLUSION

1. INTRODUCTION

The World Health Organization defines self-care as the ability of individuals, families and communities to promote, maintain health, and prevent disease and to cope with illness with or without the support of a healthcare provider. Self-care encompasses several issues including hygiene, nutrition, lifestyle, environmental and socio-economic factors. Promotion of self-care is a means to empower individuals, families and communities for informed health decision-making. It has the potential of improving the efficiency of health systems and contributing towards health equity.

This website is designed to provide essential information related to the human body and measures that need to be adopted to preserve and promote health as well as prevent disease. It contains information about what individuals can do themselves when illness strikes. It is an essential tool for community-based health workers and community health volunteers to promote health, prevent and control disease. The information in this website will also be useful for health professionals and the general public for adopting appropriate self-care practices.

1.1 Objective

There is extensive literature from various disciplines on self-care, an important aspect of nursing intervention via evaluation and education, but its meaning remains imprecise due to the difficulty integrating the diverse definitions developed over time across disciplines.

Therefore, it is vital to clarify the meaning of self-care and formulate the defining attributes, antecedents, and consequences to self-care.

1.2 Scope

A scope for further development in our project to a great extent. Its meaning remains imprecise due to the difficulty integrating the diverse definitions developed over time across

disciplines. Thus, the customer will get the service of online shopping and home delivery from his favourite shop.

Self-care encompasses several issues including hygiene, nutrition, lifestyle, environmental and socio-economic factors. Promotion of self-care is a means to empower individuals, families and communities for informed health decision-making.

2. HARDWARE AND SOFTWARE REQUIREMENT

1.1 Hardware Requirement

- ❖ Processor : Intel(R) Core(TM) i3-6006U CPU @ 2.00GHz 2.00 GHz
- ❖ RAM : 4.00 GB (3.87 GB usable)
- ❖ Disk space : ~84.5 GB
- ❖ Other : Network card is required

1.2 Software Requirement

- ❖ HTML(front end)
- ❖ CSS
- ❖ JavaScript
- ❖ Web Browser : Google Chrome
- ❖ Operating System: Windows 10

3.SYSTEM DESIGN

3.1 Use case diagram



This Usecase diagram can summarise the details of the site users and their interaction with the Website.

The following topics describe model elements in use-case diagrams:

Use cases

A use case describes a function that a system performs to achieve the user's goal.

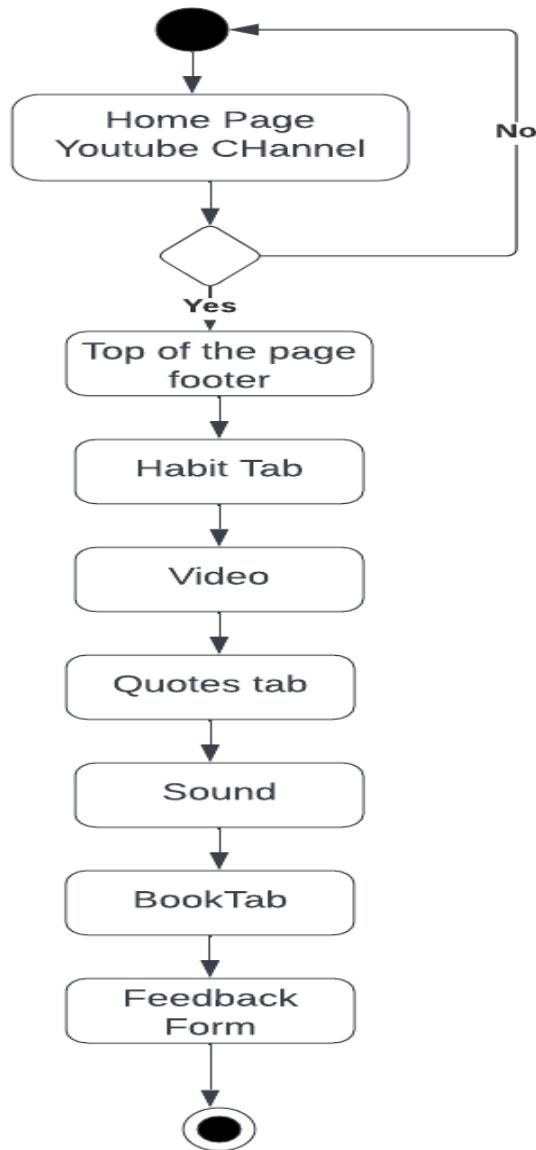
Actors

An actor represents a role of a user that interacts with the system that you are modelling. The user can be a human user, an organisation, a machine, or another external system.

Relationships in use-case diagrams

In UML, a relationship is a connection between model elements.

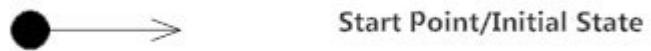
3.2 Activity Diagram



An activity diagram visually presents a series of actions or flow of control in a system similar to a flowchart or a data flow diagram. Activity diagrams are often used in business process modelling. They can also describe the steps in a use case diagram.

Initial State or Start Point

It represents the initial action state or the start point for any activity diagram.



Activity or Action State

It represents the non-interruptible action of objects.



Action Flow

It illustrates the transitions from one action state to another.



Decisions and Branching

A diamond represents a decision with alternate paths.

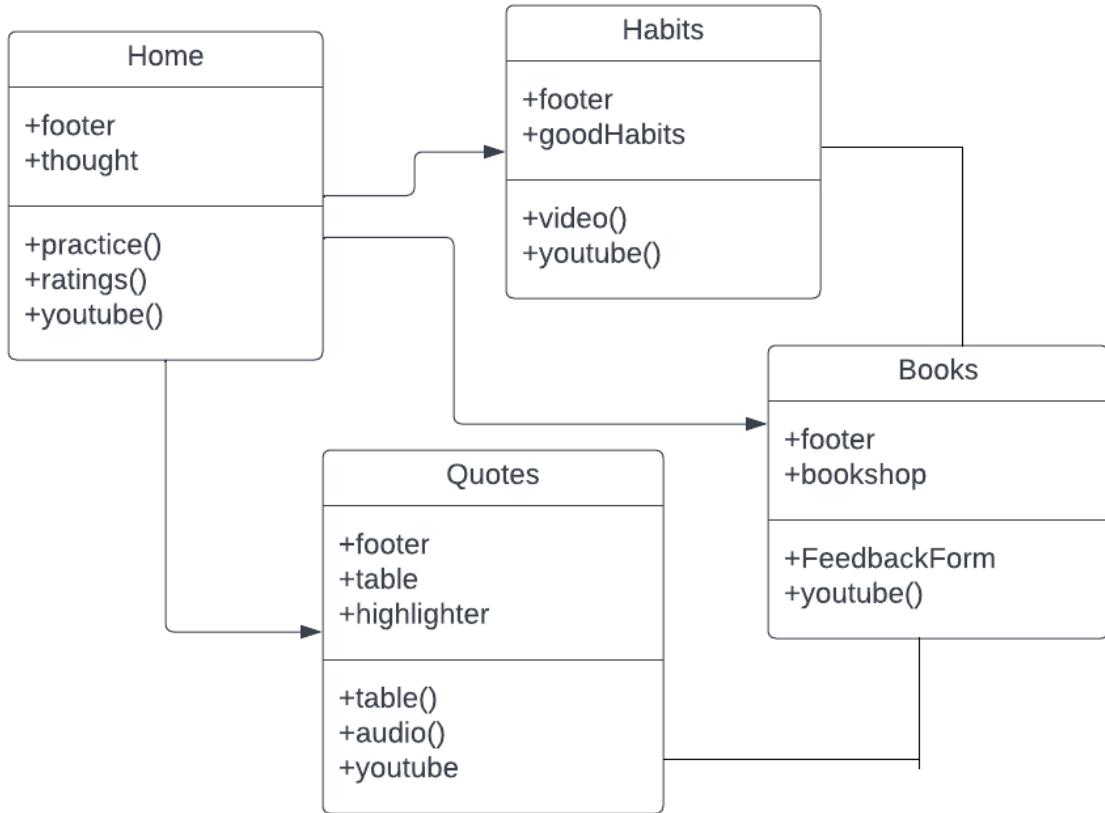


Final State or End Point

An arrow pointing to a filled circle nested inside another circle represents the final action state.



3.4 Class Diagram



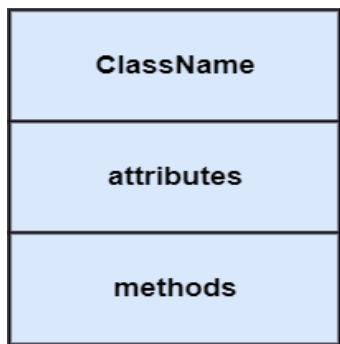
A class diagram is used to visualise, describe, document various different aspects of the system, and also construct executable software code. It shows the attributes, classes, functions, and relationships to give an overview of the software system.

Components of class Diagram

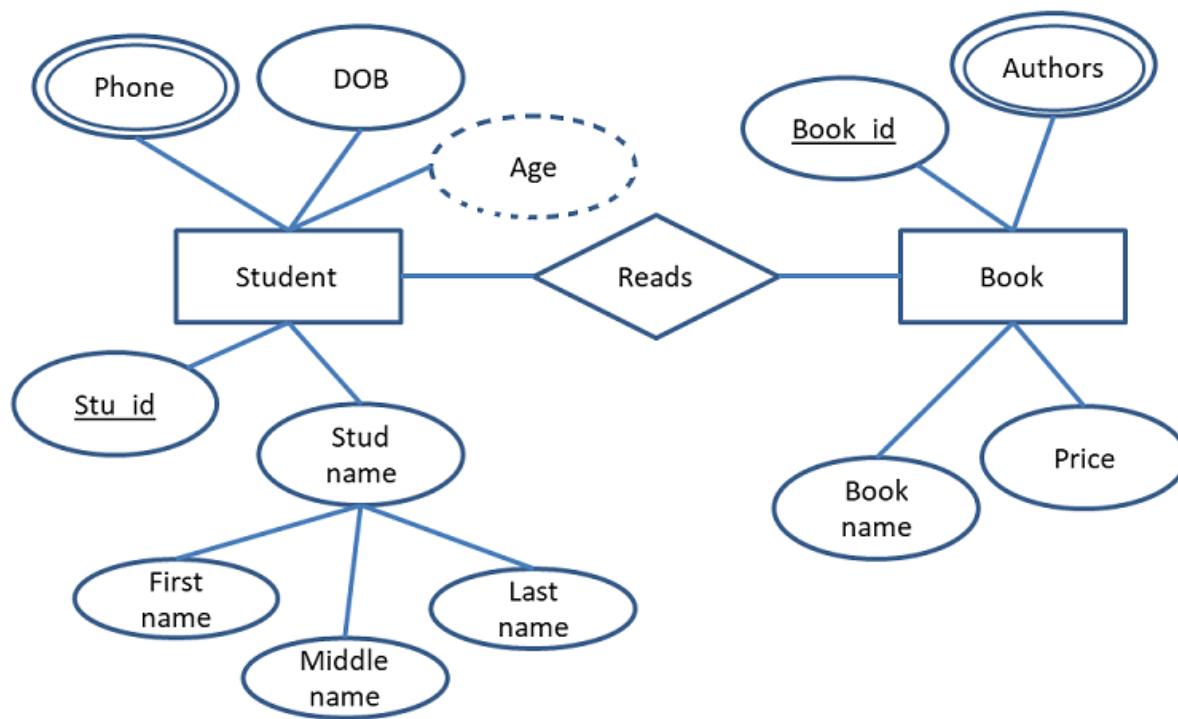
Upper Section: The upper section encompasses the name of the class.

Middle Section: The middle section constitutes the attributes, which describe the quality of the class.

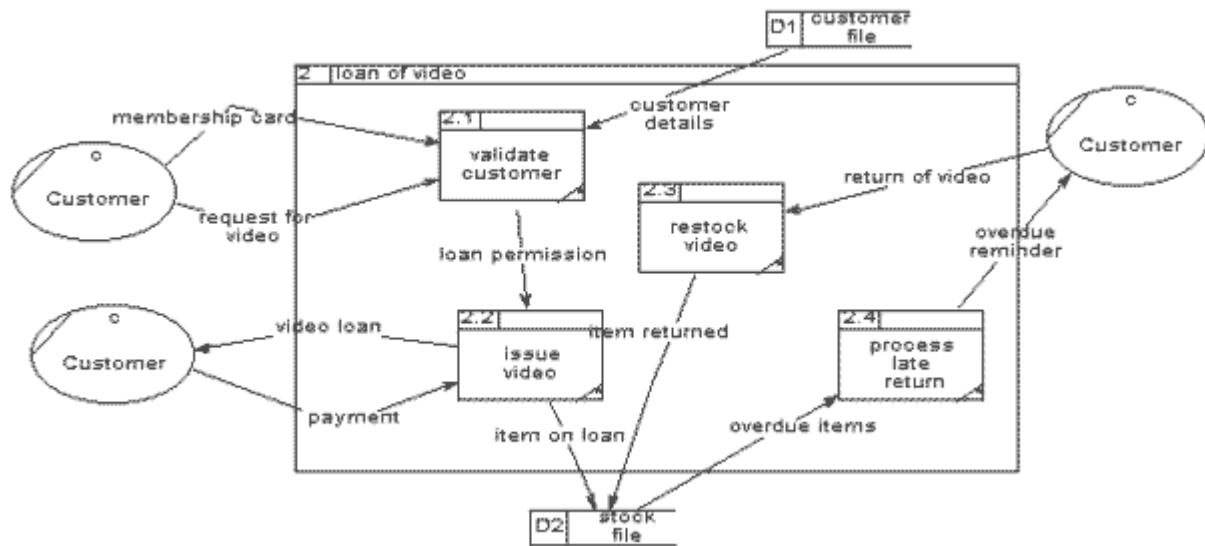
Lower Section: The lower section contains methods or operations.



3.4 ER diagram



3.5 Data level flow diagram



4. IMPLEMENTATION

FRONT END:

HTML, CSS, JAVASCRIPT, are utilised to implement the Frontend

HTML (the Hypertext Markup Language) and CSS (Cascading Style Sheets) are two of the core technologies for building Web pages. HTML provides the structure of the page, CSS the (visual and aural) layout, for a variety of devices. Along with graphics and scripting, HTML and CSS are the basis of building Web pages and Web Applications.

CSS is the language for describing the presentation of Web pages, including colours, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments.

This is referred to as the separation of structure (or: content) from presentation.

JavaScript is a scripting language that enables you to dynamically update content, control multimedia, animate images, and pretty much everything else. (Okay, not everything, but it is amazing what you can achieve with a few lines of JavaScript code.)

HTML Tags used in Project:

1.Header:

The tag in HTML is used to define the header for a document or a section as it contains the information related to the title and heading of the related content. The element is intended to usually contain the section heading

2.Anchor Tag:

The Anchor element. The HTML element (or anchor element), with its href attribute, creates a hyperlink to web pages, files, email addresses, locations in the samepage, or anything else a URL can address. Content within each should indicate the link's destination.

3.Nav: The HTML element represents a section of a page whose purpose is to provide navigation links, either within the current document or to other documents. Common examples of navigation sections are menus, tables of contents, and indexes.

4.Div:

The tag defines a division or a section in an HTML document. The tag is used as a container for HTML elements - which is then styled with CSS or manipulated with JavaScript. The tag is easily styled by using the class or id attribute.

5.Form: An HTML form is a section of a document which contains controls such as text fields, password fields, checkboxes, radio buttons, submit button, menus etc. An HTML form facilitates the user to enter data that is to be sent to the server for processing such as name, email address, password, phone number, etc...

6.Span:

The tag is an inline container used to mark up a part of a text, or a part of a document. The tag is easily styled by CSS or manipulated with JavaScript using the class or id attribute. The tag is much like the element, but is a block-level element and is an inline element

7.Img:

The tag creates a holding space for the referenced image. The tag has two required attributes: src - Specifies the path to the image. alt - Specifies an alternate text for the image

8.section tag defines the section of documents such as chapters, headers, footers or any other sections. The section tag divides the content into section and subsections

9.Heading Tags

tag is an HTML heading that's most commonly used to mark up a web page title. Most websites use CSS to make the H1 stand out on the page compared to lesser headings like H2, H3, etc

tag defines the second level heading in the HTML document. This tag is also commonly referred to as the element

4.3. CODING

Home Page

```
<!DOCTYPE html>
<head>
<title>Self Care - Journal</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>

<body>

<header>
<a href="MainSelfCare.html">



</a>

</header>

<hr>
<nav>
<table cellspacing="5" cellpadding="5">
<tr>
<td><a href=MainSelfCare.html>Home</a></td>
<td><a href=Habits.html>Habits</a></td>
<td><a href=Quotes.html>Quotes</a></td>
<td><a href=Books.html>Books</a></td>

</tr>
</table>
</nav>
</hr>

<h2 id="top"></h2>
```

<h2>Welcome - Well-Being & Self-Care!</h2>

<p>"Self-Care is the necessity to do things that are good for our physical ,emotional, or physchological well-being"

</P>

<p style ="color:Tomato">WHEN IN DISTRESS, USE MY SAFE SPACE TO DE-STRESS!</p>

- “Until you value yourself, you won’t value your time. Until you value your time, you will not do anything with it.”— M. Scott Peck
- “You have to believe in yourself when no one else does—that makes you a winner right there.”— Venus Williams

<p >Self Care Practices</p>

- "Physical Self-care is taking care of your body."
- "Mental Self-care starts with paying attention to how you talk to yourself."
- "Emotional Self-care is about understanding your emotions."
- "Spritual Self-Care is about connecting to the fact that your life has meaning and persuing your passion."
- "Social Self-Care involves spending time with people you enjoy ."
- "Financial Self-Care includes budgeting, Financial planning and managing Dept."

<p><h3>Customer reviews</h3></p>

<p>30 global ratings</p>

5 star:

<meter value="8" min="0" max="10"></meter>

4 star:

```
<meter value="6" min="0" max="10"></meter><br>
```

3 star:

```
<meter value="4" min="0" max="10"></meter><br>
```

2 star:

```
<meter value="2" min="0" max="10"></meter><br>
```

1 star:

```
<meter value="2" min="0" max="10"></meter><br><br>
```

```
<p><strong>Made With Love</strong></p>
```

```
<hr>
```

```
<footer>
```

```
<a href="https://www.youtube.com">  
</a>
```

```
<br>
```

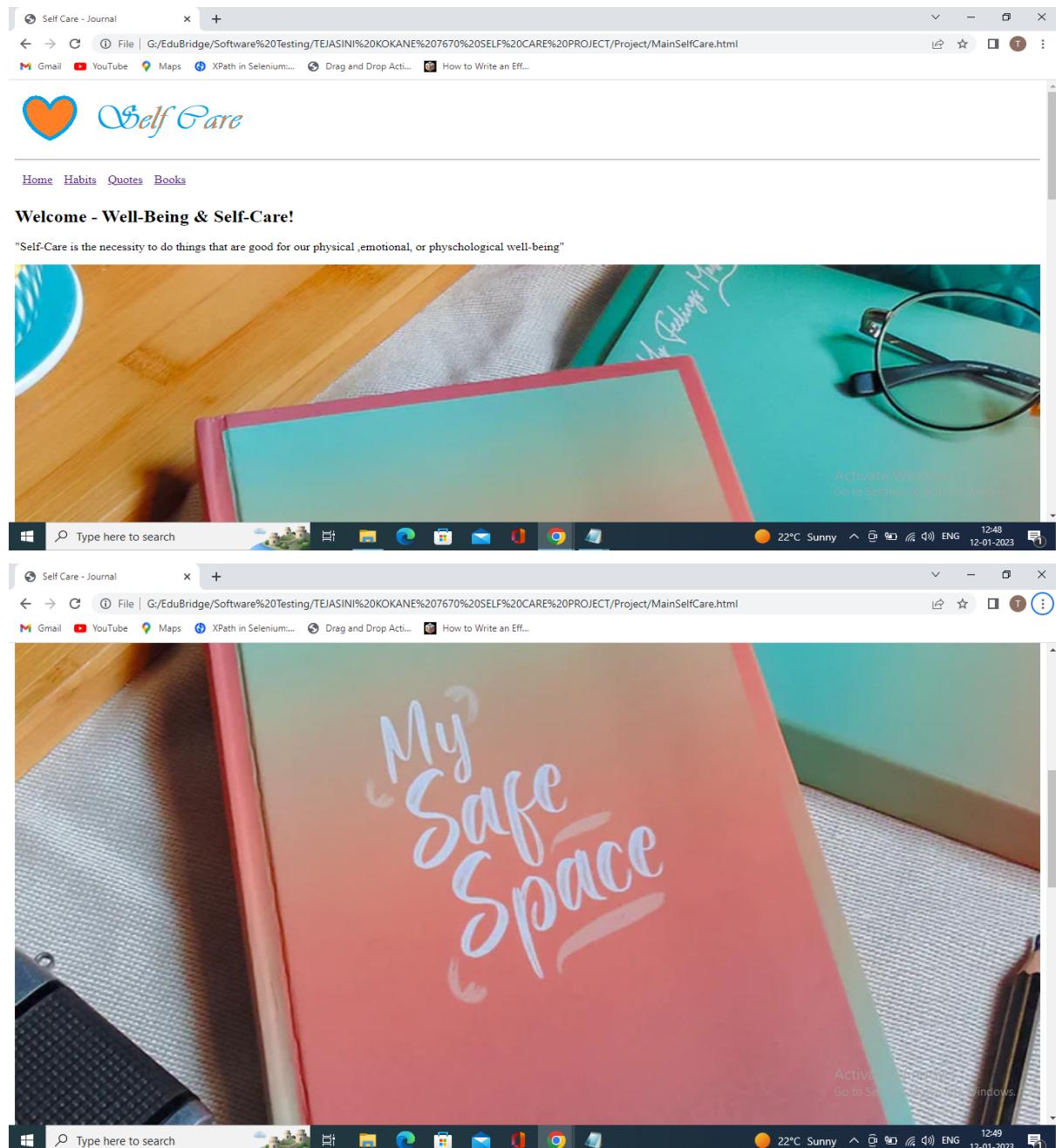
```
copyright &copy; SelfCare.love 2022-2023
```

```
</footer>
```

```
<p><a href="#top"> top of the page</a></p>
```

```
</body>
```

[Screenshot](#)



Self Care - Journal

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/MainSelfCare.html

Gmail YouTube Maps XPath in Selenium... Drag and Drop Act... How to Write an Eff...

WHEN IN DISTRESS, USE MY SAFE SPACE TO DE-STRESS!

1. "Until you value yourself, you won't value your time. Until you value your time, you will not do anything with it." — M. Scott Peck
2. "You have to believe in yourself when no one else does—that makes you a winner right there."— Venus Williams

Self Care Practices

- "Physical Self-care is taking care of your body."
- "Mental Self-care starts with paying attention to how you talk to yourself."
- "Emotional Self-care is about understanding your emotions."
- "Spiritual Self-Care is about connecting to the fact that your life has meaning and pursuing your passion."
- "Social Self-Care involves spending time with people you enjoy."
- "Financial Self-Care includes budgeting, financial planning and managing debt."

Customer reviews

30 global ratings

Made With Love

The School of Self-Care

Activate Windows
Go to Settings to activate Windows.

22°C Sunny 12:49 12-01-2023

Self Care - Journal

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/MainSelfCare.html

Gmail YouTube Maps XPath in Selenium... Drag and Drop Act... How to Write an Eff...

- "Social Self-Care involves spending time with people you enjoy."
- "Financial Self-Care includes budgeting, financial planning and managing debt."

Customer reviews

30 global ratings

Made With Love

The School of Self-Care

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Activate Windows
Go to Settings to activate Windows.

top of the page

22°C Sunny 12:50 12-01-2023

Habit Tab

```
<!DOCTYPE html>
<head>
<title>Habits</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
```

```
<body>
<header>
<a href="MainSelfCare.html">


</a>

</header>
```

```
<body >
```

```
<hr>
<nav>
<table cellspacing="5" cellpadding="5">
<tr>
<td><a href=MainSelfCare.html>Home</a></td>
<td><a href=Habits.html>Habits</a></td>
<td><a href=Quotes.html>Quotes</a></td>
<td><a href=Books.html>Books</a></td>

</tr>
</nav>
</table>

<hr>
<h2>Habits</h2>

<br>

<section>
<h4>Do Something Just for Fun</h4>
<p>Crank up the music and dance. Laugh with your kids. Play a game. Write. Buy flowers.
Follow your passions. Attend a fun event. The real <abbr title="Return on
Investment">ROI</abbr>? A better, more energized, happier self.</p>
</section>

<section>
```

<h4>Be Adventurous</h4>

<p>Get outside your comfort zone. Be brave. Challenge yourself. Whether that be a backpacking trip, trying a new activity, or pushing yourself physically, mentally or emotionally, you'll feel proud, confident and strong.</p>

</section>

<section>

<h4>Treat Yourself and Your Body</h4>

<p>When you look good, you feel good. Get a haircut, have your nails done, enjoy a facial, manicure or pedicure. When we take care of how we look physically, we feel better emotionally. </p>

</section>

<section>

<h4>Spend Time with Those You Love</h4>

<p>Schedule a date night with your partner, a special day with your kiddo or happy hour with your BFF. Studies prove that people who socialize often have higher levels of happiness. This doesn't have to be face-to-face; sometimes a phone call is all you need (and can fit in!).

</p>

</section>

<section>

<h4>Express Gratitude</h4>

<p> In order to live a life we love, we must first love the life we live. Research continues to surface on the science and benefits of gratitude. Being grateful is one of the simplest, yet most powerful, things you can do to take care of yourself.</p>

</section>

<hr>

<video width="500" height="450" controls>

<source src="G:\EduBridge\Software Testing\TEJASINI KOKANE 7670 SELF CARE PROJECT\Project\video.mp4" type="video/mp4">

</video>

<h4>About Good habits - Eat good Feel good</h4>

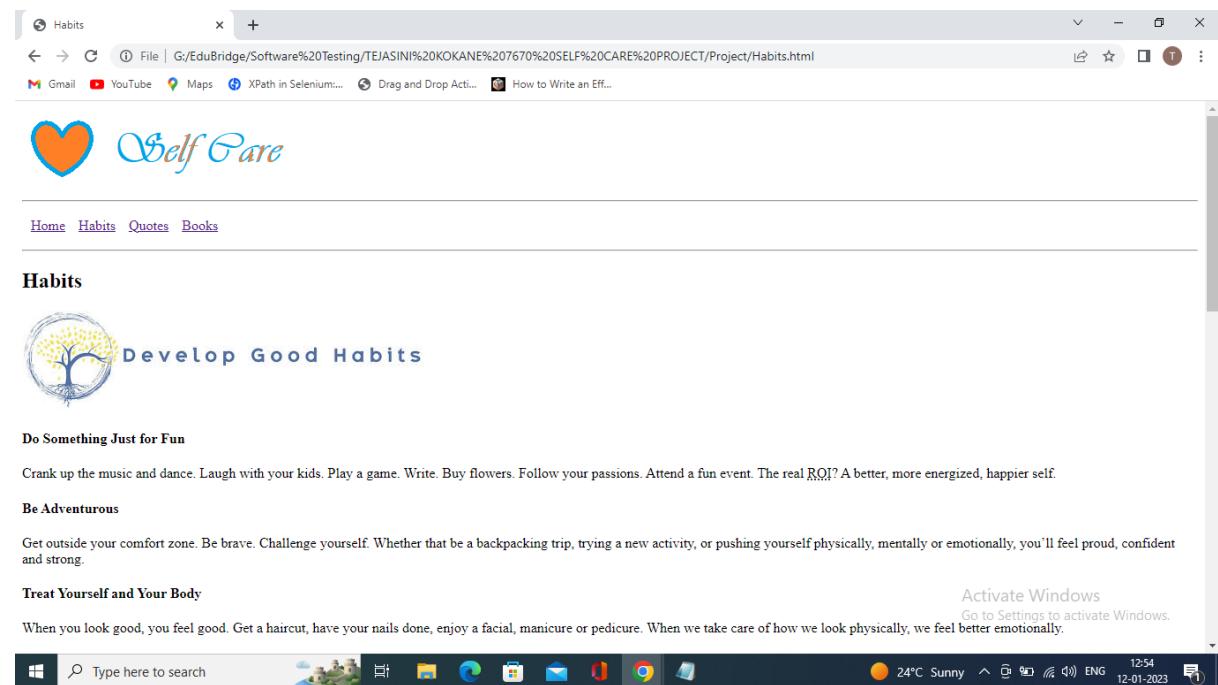

```

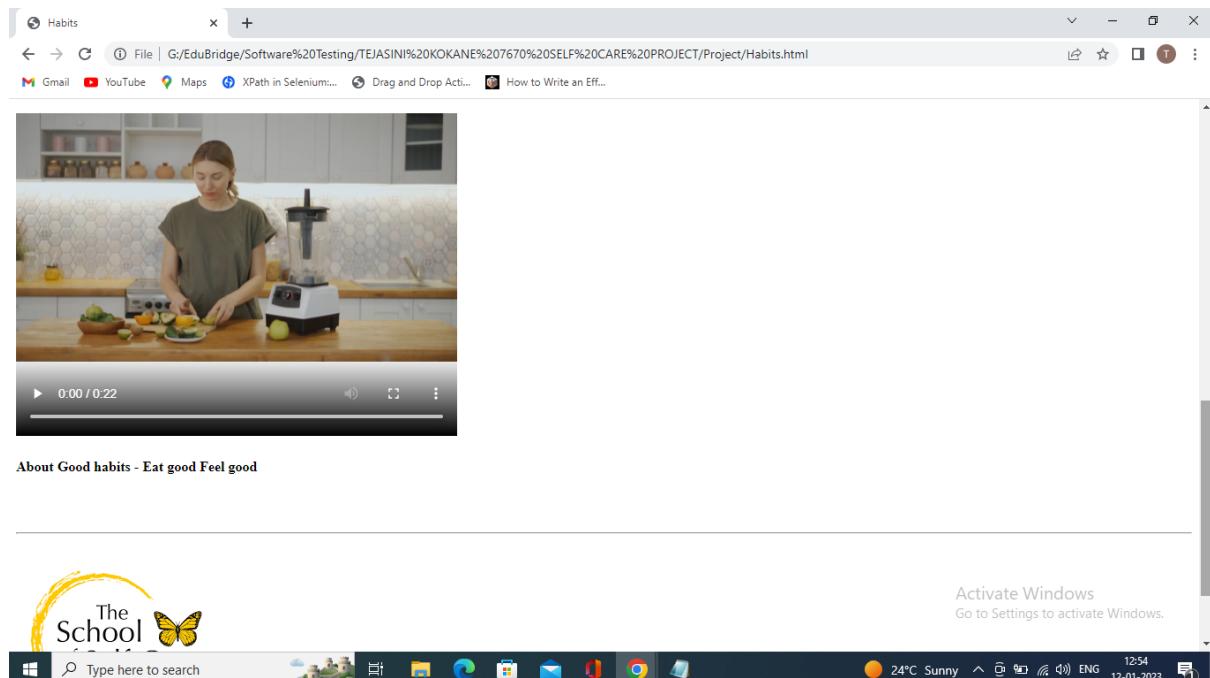
<hr>
<footer>
<a href="https://www.youtube.com">
</a>
<br>
copyright © SelfCare.love 2022-2023
</footer>

</body>

```

ScreenShot





Quotes Tab

<!DOCTYPE html>

```
<head>
<title>Quotes</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
```

```
<style>
aside {
    width: 30%;
    padding-left: 30px;
    margin-left: 30px;
    float: right;
    font-style: italic;
    background-color: lightgray;
}
</style>
```

```
<style>
table,
th,
td {
    border: 1px solid black;
```

```

border-collapse: collapse;
padding: 15px;
cellspacing="5";
cellpadding="5";

}

</style>

</head>

<body >

<header>
<a href="MainSelfCare.html">


</a>

</header>

<hr>

<nav>
<table cellspacing="5" cellpadding="5">
<tr>

<td><a href=MainSelfCare.html>Home</a></td>
<td><a href=Habits.html>Habits</a></td>
<td><a href=Quotes.html>Quotes</a></td>
<td><a href=Books.html>Books</a></td>

</tr>
</nav>
</table>

```

<hr>

<h2>Quotes</h2>

<table>

<tr>

<th>Paraphase</th>

<th>Epigrammatist</th>

</tr>

<tr>

<th>“Talk to yourself like you would to someone you love.”</th>

<th>Brene Brown</th>

</tr>

<tr>

<th>“Self-discipline is self-caring.”</th>

<th>M.Scott Peck</th>

</tr>

<tr>

<th>“Adopt the pace of nature: her secret is patience.”</th>

<th>Ralph Waldo Emerson</th>

</tr>

<tr>

<th>“Be faithful to that which exists within yourself.”</th>

<th>Andre Guide</th>

</tr>

</table>

```
<aside>

<h1 id="Folk">Hi Folk!</h1>
<p>I'm Tejaswini Kokane</p>
<br>
<p>Since 2022 I've Written about Self esteem and Happiness and much more.</p>
```

```
</aside>
```

```
<br>
<br>
```

```
<p style ="color:Tomato"><Strong>Sound that bring you comfort and
connection</Strong></p>
```

```
<audio controls>
  <source src="G:\EduBridge\Software Testing\TEJASINI KOKANE 7670 SELF CARE
PROJECT\Project\Audio.mp3" type="audio/mpeg" type="audio/mp3">

</audio>
```

```
<hr>
<footer>
<a href="https://www.youtube.com">
</a>
<br>
copyright © SelfCare.love 2022-2023
</footer>
```

```
</body>
```

Screenshot:

Quotes

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Quotes.html

Gmail YouTube Maps XPath in Selenium... Drag and Drop Act... How to Write an Eff...

Self Care

Home Habits Quotes Books

Quotes

THE Self Care MINI BUNDLE

Paraphrase	Epigrammatist
"Talk to yourself like you would to someone you love."	Brene Brown
"Self-discipline is self-caring."	M.Scott Peck
"Adopt the pace of nature: her secret is patience."	Ralph Waldo Emerson

Activate Windows
Go to Settings to activate Windows.

Quotes

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Quotes.html

Gmail YouTube Maps XPath in Selenium... Drag and Drop Act... How to Write an Eff...

♥ V ♥

THE Self Care

MINI BUNDLE

Paraphrase	Epigrammatist
“Talk to yourself like you would to someone you love.”	Brene Brown
“Self-discipline is self-caring.”	M.Scott Peck
“Adopt the pace of nature: her secret is patience.”	Ralph Waldo Emerson
“Be faithful to that which exists within yourself.”	Andre Guide

Sound that bring you comfort and connection

0:00 / 2:27

Hi Folk!

I'm Tejaswini Kokane

Activate Windows
Since 2022 I've Written about Self esteem and Happiness and much more.

Books Tab

```
<!DOCTYPE html>
<head>
<title>Books</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,initial-scale=1.0">
</head>
```

```
<body>
<header>
<a href="MainSelfCare.html">


</a>

</header>

</header>
```

```
<hr>
<nav>
<table cellspacing="5" cellpadding="5">
<tr>
<td><a href=MainSelfCare.html>Home</a></td>
<td><a href=Habits.html>Habits</a></td>
<td><a href=Quotes.html>Quotes</a></td>
<td><a href=Books.html>Books</a></td>
</tr>
</nav>
</table>
```

```
<hr>
<table cellpadding="10">
<tr>
<td valign="top" width="15%">

</td valign="top">
<td>
```

Your Second Life Begins When You Realize You Only Have One: The novel that has made over 2 million readers happier.THE INTERNATIONAL BESTSELLER: 2 million copies sold worldwide! A charming, feel-good and universal story of one woman's journey from boredom and dissatisfaction to happiness and fulfilment.Random House presents the audiobook edition of Your Second Life Begins When You Realize You Only Have One by Raphaelle Giordano, read by Fiona Hardingham.

```
</td>
</tr>
```

```
<tr>
<td valign="top" width="15%">

</td valign="top">
```

```
<td>
The Comfort Book
by Matt Haig
From the bestselling author of The Midnight Library, Matt Haig offers warmth and
reassurance, reminding us to slow down and appreciate the beauty and unpredictability of
existence. An essential book for anyone in search of hope, looking for a path to a more
meaningful life, or in need of a little encouragement.
</td>
</tr>
```

```
<tr>
<td valign="top" width="15%">

</td valign="top">
```

```
<td>
You've probably heard phrases like, "You can't love anyone else until you love yourself" and
"You can't take care of anyone else until you've taken care of yourself." These phrases are
grounded in truth. Boost your confidence to live an authentic life in line with your values;-
Expand your self-worth & feel at ease saying 'No' to things that don't serve you. This
Self-Love Workbook for Women is perfect for any woman and promotes gratefulness,
mindfulness, positivity, self-care, self-compassion, and self-love!
</td>
</tr>
```

```
<tr>
<td valign="top" width="15%">

```

</td valign="top">

<td>

You've probably heard phrases like, "You can't love anyone else until you love yourself" and "You can't take care of anyone else until you've taken care of yourself." These phrases are grounded in truth. Boost your confidence to live an authentic life in line with your values;- Expand your self-worth & feel at ease saying 'No' to things that don't serve you. This Self-Love Workbook for Women is perfect for any woman and promotes gratefulness, mindfulness, positivity, self-care, self-compassion, and self-love!

</td>

</tr>

</table>

<hr>

<h3>Do you have any feedback for us?</h3>

<form>

<fieldset>

<legend>Personal Details</legend>

<p>

<label>

Salutation

<select name="salutation">

<option>--None--</option>

<option>Mr.</option>

<option>Ms.</option>

<option>Mrs.</option>

<option>Dr.</option>

<option>Prof.</option>

</select>

</label>

</p>

<p>

```
<label>First name: <input name="firstName" /></label>
</p>
```

```
<p>
<label>Last name: <input name="lastName" /></label>
</p>
```

```
<p>
Gender :
<label><input type="radio" name="gender" value="male" /> Male</label>
<label><input type="radio" name="gender" value="female" /> Female</label>
</p>
```

```
<p>
<label>Email:<input type="email" name="email" /></label>
</p>
```

```
<p>
<label>Date of Birth:<input type="date" name="BirthDate"></label>
</p>
```

```
<p>
<label>
Give us a review:
<br />
<textarea name="Give us a review" cols="30" rows="3"></textarea>
</label>
</p>
```

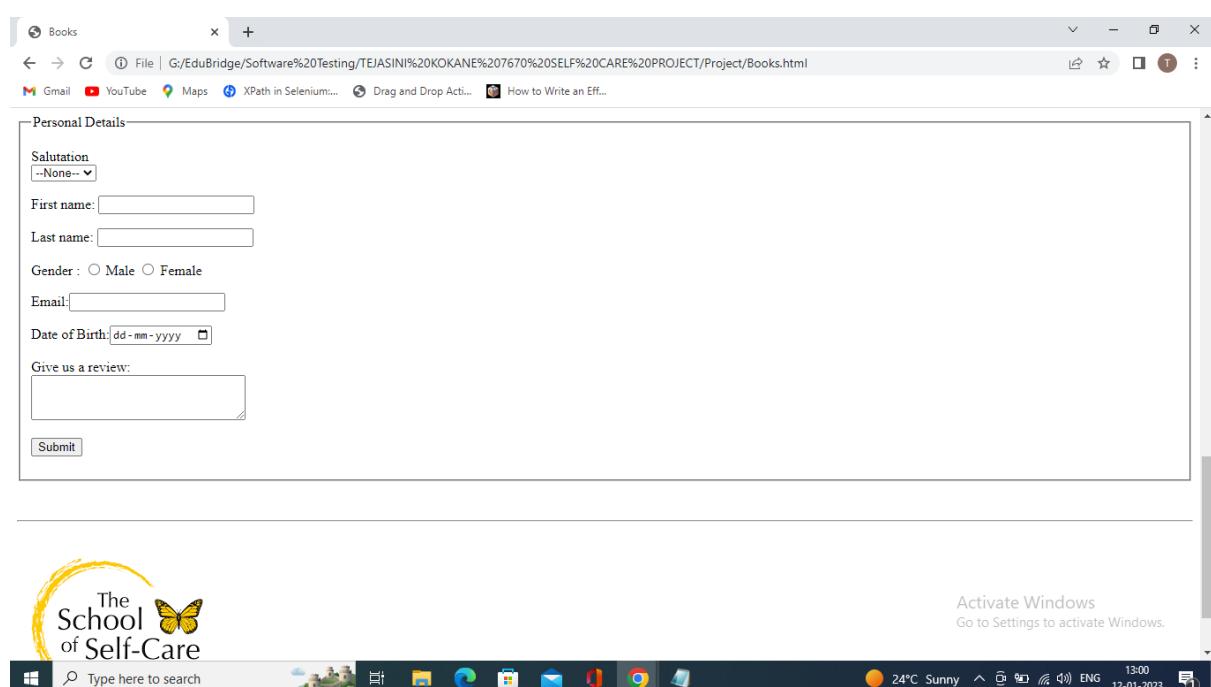
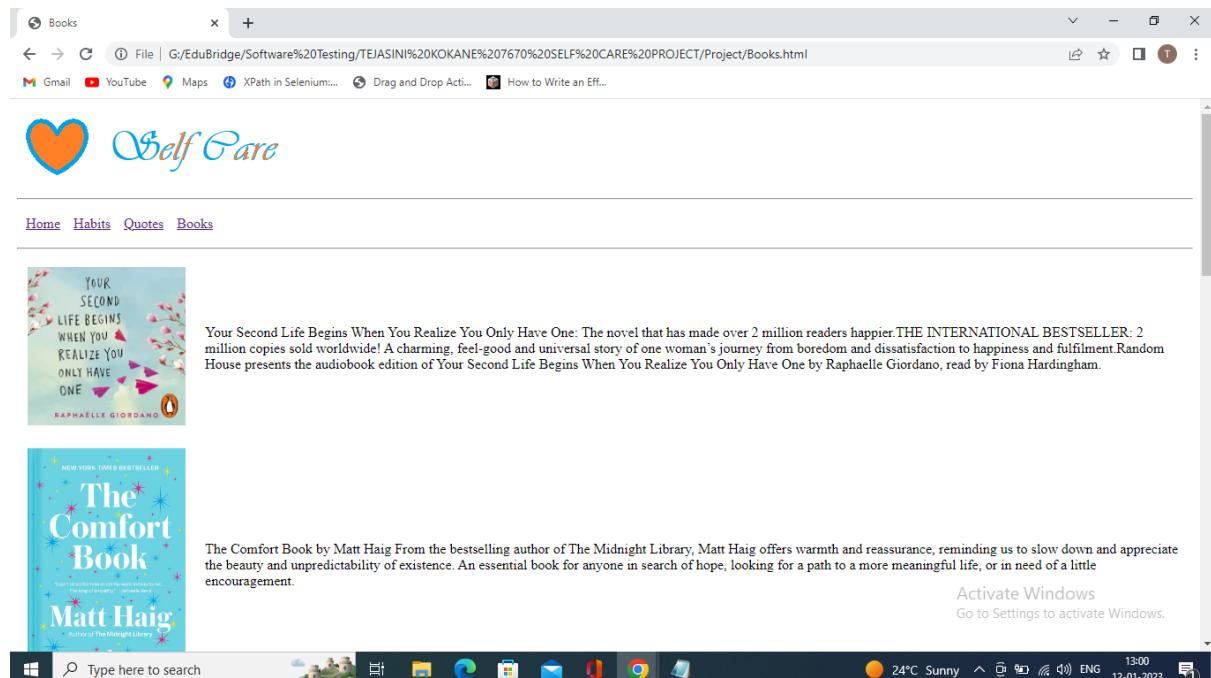
```
<p>
<!--<button type="submit">Submit</button>-->
<button onclick="alert('Hey, thanks for the feedback.')">Submit</button>
</p>
```

```
</fieldset>
</form>
<br>
<br>
```

```
<hr>
<footer>
<a href="https://www.youtube.com">
</a>
<br>
copyright © SelfCare.love 2022-2023
</footer>

</body>
```

Screenshot



4.4 Database Connectivity

```
$conn=mysqli_connect($server_name,$username,$password,$database_name);
//now check the connection
if(!$conn)
{
    die("Connection Failed:" . mysqli_connect_error());
}
```

```

if(isset($_POST['save']))
{
    $first_name = $_POST['first_name'];
    $last_name = $_POST['last_name'];
    $gender = $_POST['gender'];
    $email = $_POST['email'];
    $phone = $_POST['phone'];

    $sql_query = "INSERT INTO entry_details
(first_name,last_name,gender,email,mobile)
VALUES ('$first_name','$last_name','$gender','$email','$phone')";

    if(mysqli_query($conn, $sql_query))
    {
        echo "New Details Entry inserted successfully !";
    }
    else
    {
        echo "Error: " . $sql . "" . mysqli_error($conn);
    }
    mysqli_close($conn);
}
?>

```

[Screenshot](#)

The screenshot shows the phpMyAdmin interface running on localhost. The left sidebar lists databases: New, database123, demo, information_schema, mysql, performance_schema, phpmyadmin, project, test, and New. The 'entry_details' table under 'database123' is selected. The main area displays the table structure with columns: first_name, last_name, gender, email, and mobile. The data grid shows four rows of data:

first_name	last_name	gender	email	mobile
Kiyaan	Kokane	male	kiyaan@gmail.com	1111111111
teju	kokane	female	teju@gmail.com	2222222222
teju	kokane	female	teju@gmail.com	2222222222

Below the table, there are buttons for Print, Copy to clipboard, Export, Display chart, and Create view. A message at the bottom right says 'Activate Windows Go to Settings to activate Windows.' The taskbar at the bottom shows various application icons.

5 .SYSTEM CONTENT

Unit Testing

Unit testing is testing the smallest testable unit of an application. It is done during the coding phase by the developers. To perform unit testing, a developer writes a piece of code (unit tests) to verify the code to be tested (unit) is correct.

A Real-World Example:

You have written a function to add two numbers:

```
int Add(int a, int b) { return a+b; }
```

The above function takes two numbers as input and returns their sum.

A unit test code would look something like this:

```
void TestAdd1() { Assert.AreEqual(Add(5, 10), 15) }
```

The above unit test “asserts” that $5 + 10$ is equal to 15. If the Add function returns anything else Assert.AreEqual results in error and the test case will fail.

Unit Testing Tools

- JUnit
- NUnit
- EMMA
- PHPUnit

Integration Testing

Testing two or more modules or functions together with the intent of finding interface defects between the modules/function.

A Real-World Example:

Test Case ID	Test Case Objective	Test Case Description	Expected Result
1	Check the interface link between the Login and Mailbox module	Enter login credentials and click on the Login button	To be directed to the MailBox
2	Check the interface link between the Mailbox and Delete Mails Module	From Mailbox select the email and click a delete button	Selected email should appear in the Deleted/Trash folder

System Testing

System testing is a form of black box testing. The purpose of system testing is to validate an application's accuracy and completeness in performing the functions as designed.

A Real-World Example:

Testing the login functionality using correct and incorrect login.

Acceptance Testing

Testing the system with the intent of confirming readiness of the product and customer acceptance. Also known as User Acceptance Testing.

A Real-World Example:

Users could not find the link to view all reviews of a product.

5.2 Testing Methodologies

1. Black Box Testing

Checking the external behaviour software's. It is also known as data-driven testing, functional testing, and closed box testing. It is carried out by testers.

A Real-World Example:

Testing Login Function of a website login screen. With the help of Black box testing, the tester will test if using a username and password (input) allows one to login seamlessly to the system (output). Here, the tester will not get into the function of the code behind it; he will just check the validity of the input given and the outcome received. If the user feeds a wrong password and does not get any error message, black box testers detect this and send it to the coders for resolution.

Tools used for Black Box Testing

- Appium
- Selenium
- Microsoft coded UI
- AppliTools

Black Box Testing Techniques

1. Equivalence Partitioning

2. Boundary Value Analysis

3. Decision Table

4. State Transition

2.WhiteBox Testing

Checking internal code of software. It is also known as clear box testing, code-based testing, structural testing, and transparent testing. It is carried out by software developers.

A Real-World Example:

```
Printme (int a, int b) {           ----- Printme is a function
    int result = a+ b;
    If (result> 0)
        Print ("Positive", result)
    Else
        Print ("Negative", result)
}
----- End of the source code
```

The goal of WhiteBox testing in software engineering is to verify all the decision branches, loops, and statements in the code.

Tools used for White Box Testing

- EclEmma
- NUnit
- PyUnit
- HTMLUnit
- CppUnit

White Box Testing Techniques

1.Statement Coverage

2.Branch Coverage

3.Path Coverage

3.GreyBox Testing

It is a combination of black box testing and white box testing. In Grey Box Testing internal structure (code) is partially known.

A Real-World Example:

Testing a website form wherein providing email id and submitting the form sends an email to the user for confirmation and information.

As a Grey box tester – the tester will have knowledge about the validation, such as email validation will be done using JavaScript on the client-side.

[Grey box testing technique](#)

1.Matrix Testing

2.Regression testing

3.Orthogonal Array Testing

5.3 Boundary Value Analysis and Equivalence Partitioning

Boundary Value Analysis and Equivalence Partitioning are both test case design strategies in Black-Box Testing.

[Boundary Value Analysis](#)

It's widely recognized that the input values at the extreme ends of the input domain cause more errors in the system.

More application errors occur at the boundaries of the input domain. ‘Boundary Value Analysis’ Testing technique is used to identify errors at boundaries rather than finding those that exist in the centre of the input domain.

Boundary Value Analysis is the next part of Equivalence Partitioning for designing test cases where test cases are selected at the edges of the equivalence classes.

[For example](#), if you divide 1 to 1000 input values invalid data equivalence classes, then you can select test case values like 1, 11, 100, 950, etc. Same case for other test cases having invalid data classes.

[Equivalence Partitioning](#)

In this method, the input domain data is divided into different equivalence data classes. This method is typically used to reduce the total number of test cases to a finite set of testable test cases, still covering maximum requirements.

In short, it is the process of taking all possible test cases and placing them into classes. One test value is picked from each class while testing.

For example, if you are testing for an input box accepting numbers from 1 to 1000 then there is no use in writing thousands of test cases for all 1000 valid input numbers plus other test cases for invalid data.

Using the Equivalence Partitioning method above, test cases can be divided into three sets of input data called classes. Each test case is a representative of the respective class.

So in the above example, we can divide our test cases into three equivalence classes of some valid and invalid inputs.

5.4 Test Reports

5.4.1 Test cases for Self -Care Design:

Project Name: Self Care-Design

Reference: YouTube

Created by: Tejaswini Kokane

On Date: 9-1-2023

Review Date: 13-1-2023

Test Scenario ID	Test Scenario	Test Case ID	Test Case Description	Pre-Condition	Steps	Input Data	Expected Result	Actual Result	Post Condition	Result
TS-1	URL Check	TC-1	Click URL Check	Active Internet Connection Google Chrome should be Installed	1.Go to Google chrome 2.Click on Link	Website Link	User should be Able to search URL	As Expected	URL Found Successfully	Pass
TS-2	Home Tab	TC-2	Youtube link Check	Active Internet Connection Google	1.Open URL 2.Click Butterfly Image		Youtube Link should be Open	As Expected	Youtube link Found Successfully	Pass

				Chrome should be Installed URL Should be Open						
			TC-3	Footer Check	Active Internet Connection Google Chrome should be Installed URL Should be Open	1.Open URL 2.Click on Top of the page	User should be go on top of the page	As Expected	Footer clickable successfully	Pass
TS-3	Habits Tab	TC-4	Habit Tab Check	Active Internet Connection Google Chrome should be Installed URL Should be Open	1.Oepn URL 2.Click on Habits tab	User should be Habits tab	As Expected	Tab Clickable Sucessfully	Pass	
			TC-5	Video check	Active Internet Connection Google Chrome should be Installed URL Should be Open Habit tab should be open	1.Oepn URL 2.Click on Habits tab 3.Click on video	User should be able to see video	As Expected	Video Running Succesfully	Pass
TS-4	Quotes Tab	TC-6	Quotes Tab Check	Active Internet Connection Google Chrome should be Installed	1.Oepn URL 2.Click on Quotes tab	User should be able to Open Quotes tab	As Expected	Tab Clickable Sucessfully	Pass	

				URL Should be Open						
			TC-7	Active Internet Connectio n Google Chrome should be Installed URL Should be Open Quotes tab should be open	1.Oepn URL 2.Click on Habits tab 3.Click on Audio	User should be able to hear Audio	As Expe cted	Audio Running Succe sfully	Pass	
TS-5	Book s Tab	TC-8	Books Tab Check	Active Internet Connectio n Google Chrome should be Installed URL Should be Open	1.Oepn URL 2.Click on Boooks tab	User should be able to Open Books tab	As Expe cted	Tab Clickabl e Succe sfully	Pass	
			TC-9	Feedback Form Check	Active Internet Connectio n Google Chrome should be Installed URL Should be Open Books tab should be open	1.Oepn URL 2.Click on Boooks tab 3.Fill Feedback Form	User should be able to Fill Feedba ck Form	Feeedb ack form Submite d SUcces sfully	Pass	

5.4.2. Selenium Code for Self Care Design Website

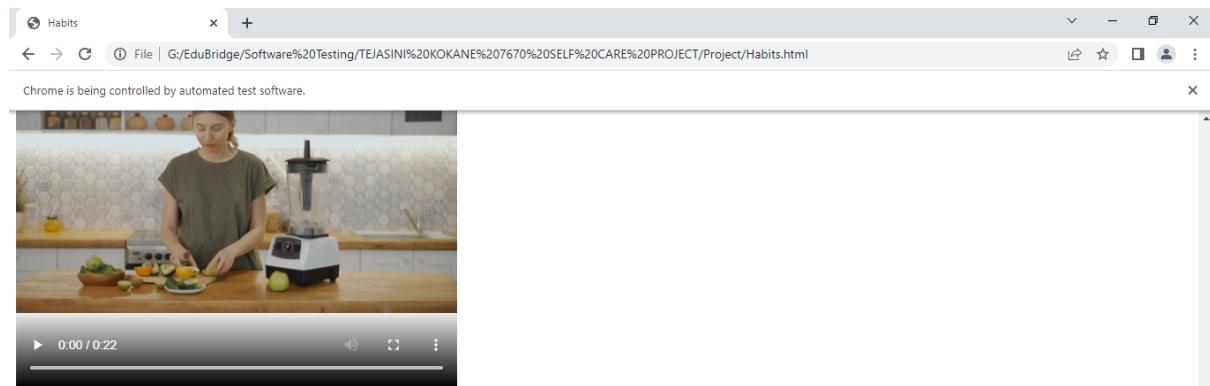
```
package SeleniumP;  
  
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
public class SelfCare {  
    public static void main(String[] args) throws InterruptedException {  
  
        System.setProperty("webdriver.chrome.driver", "C:\\\\Users\\\\ClaSSiC\\\\Downloads\\\\chromedriver_win32\\\\chromedriver.exe");  
  
        WebDriver driver=new ChromeDriver();  
  
  
  
        driver.get("file:///G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20  
SELF%20CARE%20PROJECT/Project/MainSelfCare.html");  
  
        driver.manage().window().maximize();  
  
        driver.findElement(By.xpath("//html/body/footer/a/img"));  
  
        driver.findElement(By.xpath("//html/body/nav/table/tbody/tr/td[2]/a"));  
  
        driver.findElement(By.xpath("//html/body/nav/table/tbody/tr/td[3]/a"));  
  
        driver.findElement(By.xpath("//html/body/nav/table/tbody/tr/td[4]/a"));  
    }  
}
```

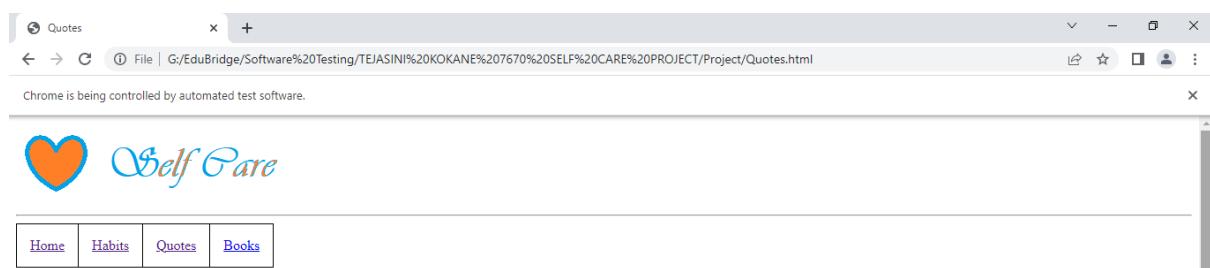
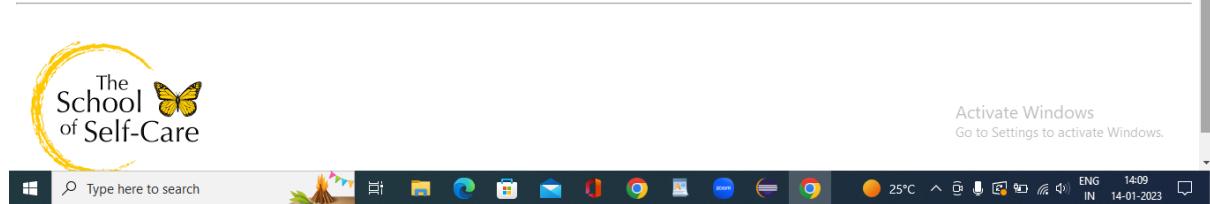
Screenshot

The screenshot shows a web browser window titled "Self Care - Journal". The URL in the address bar is "G/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/MainSelfCare.html". A message at the top states "Chrome is being controlled by automated test software." The page features a logo with a blue heart and the text "Self Care". Below the logo is a navigation menu with links to "Home", "Habits", "Quotes", and "Books". The main content area is titled "Welcome - Well-Being & Self-Care!" and includes a quote: "Self-Care is the necessity to do things that are good for our physical, emotional, or psychological well-being". Below the quote is a photograph of a teal notebook with "Self Care" written on it, resting on a wooden surface next to a pair of glasses. The Windows taskbar at the bottom shows various pinned icons and system status information.

The screenshot shows a web browser window titled "Habits". The URL in the address bar is "G/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Habits.html". A message at the top states "Chrome is being controlled by automated test software." The page features a logo with a blue heart and the text "Self Care". Below the logo is a navigation menu with links to "Home", "Habits", "Quotes", and "Books". The main content area is titled "Habits" and includes a section titled "Develop Good Habits" with a circular icon of a tree. Below this are three sections: "Do Something Just for Fun", "Be Adventurous", and "Treat Yourself and Your Body". Each section contains a brief description and a link to "Activate Windows". The Windows taskbar at the bottom shows various pinned icons and system status information.



About Good habits - Eat good Feel good



Quotes



Paraphrase	Epigrammatist
"Talk to yourself like you would to someone you love."	Brene Brown
"Self-discipline is self-caring."	M.Scott Peck

Activate Windows
Go to Settings to activate Windows.



Quotes

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Quotes.html

Chrome is being controlled by automated test software.

“Talk to yourself like you would to someone you love.”	Brene Brown
“Self-discipline is self-caring.”	M.Scott Peck
“Adopt the pace of nature: her secret is patience.”	Ralph Waldo Emerson
“Be faithful to that which exists within yourself.”	Andre Guide

Sound that bring you comfort and connection

0:00 / 2:27

Hi Folk!
I'm Tejaswini Kokane
Since 2022 I've Written about Self esteem and Happiness and much more.

The School of Self-Care

Activate Windows
Go to Settings to activate Windows.

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Type here to search

25°C ENG IN 14-01-2023

A screenshot of a Microsoft Edge browser window. The address bar shows the URL: File | G/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Books.html. A status bar at the bottom indicates "Chrome is being controlled by automated test software." The main content area displays a website for "Self Care". It features a large orange heart icon and the text "Self Care". Below this are navigation links: Home, Habits, Quotes, and Books. Two book covers are shown with their descriptions: "Your Second Life Begins When You Realize You Only Have One" by Raphaelle Giordano and "The Comfort Book" by Matt Haig.

Books

File | G:/EduBridge/Software%20Testing/TEJASINI%20KOKANE%207670%20SELF%20CARE%20PROJECT/Project/Books.html

Chrome is being controlled by automated test software.

Last name:

Gender : Male Female

Email:

Date of Birth: dd-mm-yyyy

Give us a review:

Submit

The School of Self-Care

Activate Windows
Go to Settings to activate Windows.

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Type here to search

Windows Start button

Taskbar icons: File Explorer, Edge, Mail, Photos, OneDrive, Google Chrome, File Manager, Task View, Taskbar settings, Volume, Battery, Network, Language, Date and Time.

6.CONCLUSION

See the letter Q, I think of quotes. I am always a big fan of having inspirational words, quotes, mottos in my life to keep me motivated and to remind me of the important things in life. R is for reading. Many students at Hopkins are overloaded with work and readings for class. Changing that up and reading a book just for pure enjoyment can be a great way to care for yourself and do something you enjoy.

Organising is for O. Do it any way you want, but organising yourself is a great way to make sure that your self-care is firmly part of your schedule. T is talking. My mum always told me that a problem shared is a problem halved and I still believe that to this day. Talking to someone can be an amazing way to take care of yourself.

