



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

INF 164 Individual Assignment 2

Due: 27th October 2023 @ 10:00AM

IMPORTANT NOTES:

- This is an **individual** assignment, meaning you should work on it on your own.
- Assignments are based on assessment objectives. If an objective has been achieved, a mark will be allocated.
- **All assignments are submitted via ClickUP. See the Assignments section.**
- **Ensure that you ZIP your assignment correctly. ZIP your entire project folder.**
- **You may use any of the previous source code shared during the lectures to assist in completing this Assignment. See the code on ClickUP under Course Content.**
- **If you are caught plagiarising, we will give you zero percent (0%), and you will be reported for plagiarism immediately. We will audit historical assignments throughout the semester. We trust that you understand the importance of this point.**
- **This assignment will test you on the content taught during the theory and practical classes.**

SUBMISSION INSTRUCTIONS:

- **Source Code:** Zip your source code files together, and name the project folder **uXXXXXXXX_Assignment2.zip** **after it has been zipped**, where the XXXXXXXX is your student number, e.g. u12345678_Assignment2.zip.
- If files are uploaded to the wrong upload area or incorrectly (i.e. there are missing files in the project folder), we will not look for the upload and will not accept any other form of uploading. Uploads should be submitted correctly.
- We will not accept email uploads/submissions – and if no files are uploaded, you lose **100%**. Please take this seriously and plan accordingly to submit it on time.

SUBMISSION DEADLINE: **27th October 2023 @ 10:00AM**

- There shall be no extensions to the deadline above.
- If homework submissions are uploaded too late, then upload errors **will** happen.
- Do not wait until the last minute to complete the Assignment.
- Start working on the Assignment as soon as possible.
- **We Repeat:** Email submissions **will not** be accepted.
- Late submissions **will not** be accepted.
- **No exceptions will be made for anyone.**

Assignment Content:

- The contents of this assignment include the work and concepts covered in the last half of semester 2, INF 164. Use your C# knowledge regarding code logic and core principles to assist with this assignment.
- **This Assignment will cover the basic of web programming:**
 - HTML
 - CSS
 - JavaScript

USE CASE:

The assignment requires that you make a portfolio website for yourself to help demo your skills with web development and tell a potential employer about yourself. The assignment can be done about a fictional character or about yourself.

Remember to pay close attention to the rubric (**Shown on the last page**), as this will guide your development. Below are some screenshots showing how your user interface of your website should be designed.

All aspects of web programming will be tested. HTML for the template structure and meta, CSS for the appearance and JavaScript to manipulate the DOM.

The portfolio website needs **THREE** separate HTML pages:

- Index (Home)
- About
- Contact

Each page needs its respective **title tag** in the head of the html & a **favicon**, shown below in a browser tab. Note that this may look different depending on the browser.

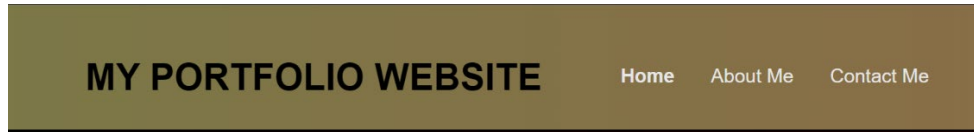
Browser tab showing **favicon** (left) & **title** (right)



Below are all the screenshots and required screen elements, to be used as a guideline.

All pages:

Screen elements:

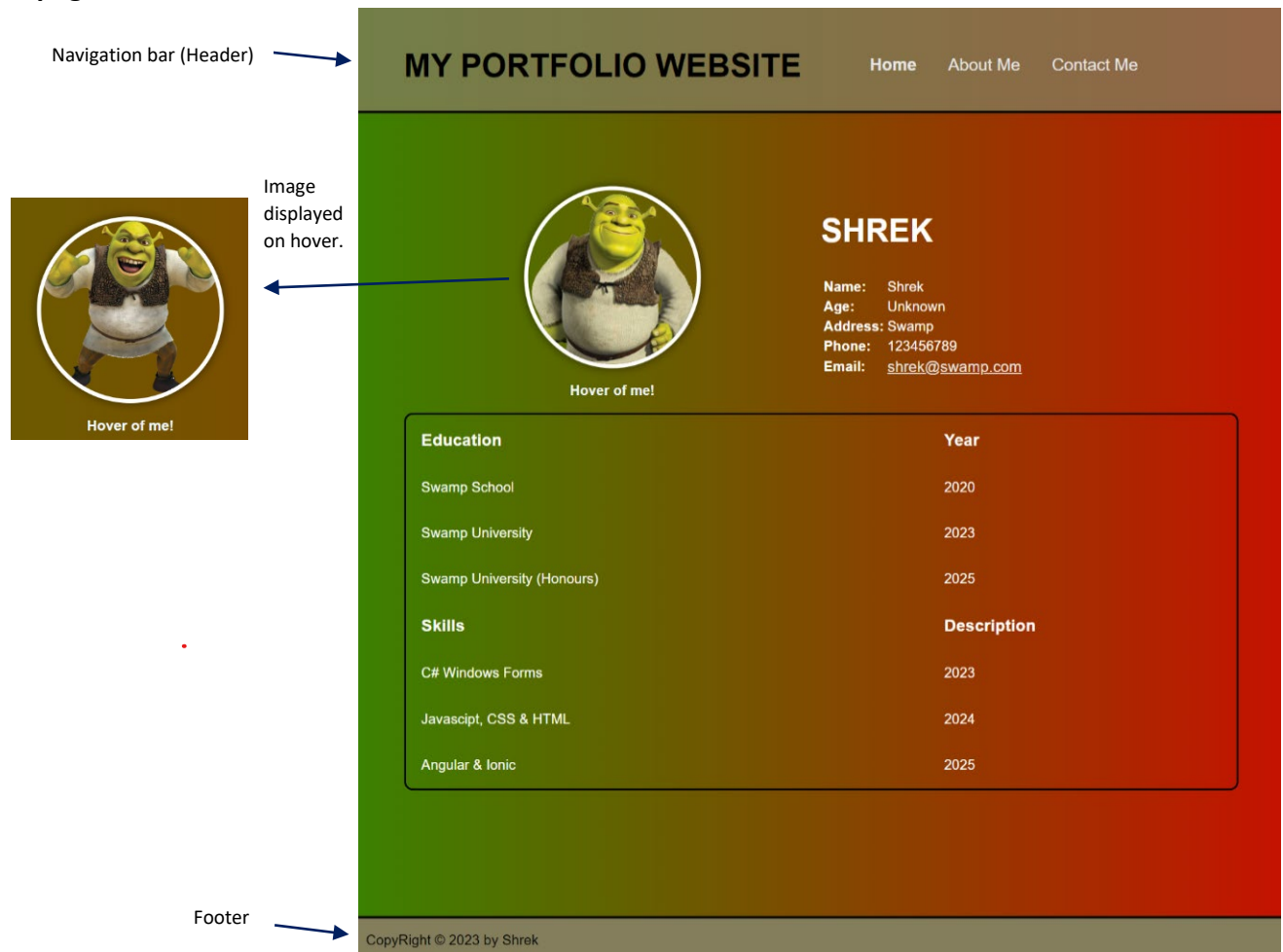


- Navigation bar
 - Title
 - Links to all pages
 - When on the selected page, the link text needs to be bolded and font size slightly increased. This can be seen in the various screenshots.

CopyRight © 2023 by Shrek

- Footer
 - Text

Home page:



Screen elements:

- Profile photo
 - Needs to change to a different image when the mouse is over it, then change back when it leaves.
- Name
- Short bio (e.g. age, address, etc.)
- Table:
 - Education
 - Skills
 - Or similar
- Remember to refer to rubric.

About page:

The screenshot shows a portfolio website titled "MY PORTFOLIO WEBSITE" with navigation links: Home, About Me, and Contact Me. The main content area has a green background and includes the following sections:

- READ MORE ABOUT ME BELOW:** A paragraph about Shrek, a fictional ogre character created by American author William Steig.
- Some Fun Facts About Me:** An unordered list of facts about Shrek.
 - Shrek is green ogre
 - Shrek lives in a swamp
 - Shrek has a donkey friend
 - Shrek has a wife named Fiona
 - Shrek has 3 kids
- My Morning Routine:** An ordered list of activities.
 1. Wake up
 2. Mud bath
 3. Eat stuff
 4. Get dressed
 5. Have breakfast
 6. Go to work
- Check My Counter Showing My Javascript Skills Below:** A counter box displaying the number 0. It has two buttons: "LOWER COUNT" (red) and "HIGHER COUNT" (black).

Annotations and zoomed-in views of the counter:

- An arrow points from the text "Unordered list" to the "Some Fun Facts About Me" section.
- An arrow points from the text "Ordered list" to the "My Morning Routine" section.
- An arrow points from the text "Counter red when negative" to a zoomed-in view of the counter showing "-1" in red text. This view also shows the "LOWER COUNT" and "HIGHER COUNT" buttons.
- An arrow points from the text "Counter white when positive" to a zoomed-in view of the counter showing "10" in white text. This view also shows the "LOWER COUNT" and "HIGHER COUNT" buttons.

Copyright © 2023 by Shrek

Screen elements:

- Headings
- Ordered list
- Unordered list
- Counter box ✓
 - Title ✓

- Number ✓
- Two buttons, one to increment and the other decrement. ✓
- Colours of the number need to change depending on whether there is a positive or negative value as shown in the above screenshot. ✓
- Remember to refer to rubric.

Contact page:

MY PORTFOLIO WEBSITE Home About Me Contact Me

CONTACT ME

Name

Enter name

Email

Enter email

Message

Enter your message here

Submit

CopyRight © 2023 by Shrek

Screen elements:

- Form
 - Title
 - Name input
 - Email input
 - Message text area
 - Submit button
 - **Disabled** when Name & Email are blank. (Shown as greyed out above)
 - **On submission of form:**
 - Log values to the console.
 - Show alert to user containing the values filled out in the form. (As shown above)
- Remember to refer to rubric.

Alert, note may look different depending on the

Name: Shrek
Email: shrek@pswamp.com
Message: I am a INF 164 student.

OK

Console log output to the browser

```
Name: Shrek  
Email: shrek@pswamp.com  
Message: I am a INF 164 student.
```

Notes:

- You can **design your UI any way you want, so long it has all the screen elements shown in the screenshots and satisfies all requirements set in the rubric.** Example: Background colour can change, font styles, location of certain elements.
- Screen elements such as the navigation bar and footer are required.
- Do not be limited to just your resource material (class notes). There are plenty of websites that can assist you with understanding the concepts needed to complete this assignment.
- Reach out to the assistant lecturers if you need any assistance/clarification (book a consultation or email us). **Do not leave this till the last minute...**
- **Again,** refer to your rubric to understand how the marking will be done and which sections to pay more attention to and where to score marks.
- **Again,** the assignment can be done about a fictional character or about yourself. For example, Shrek...

Marking RUBRIC	
Outcome	Mark
General	/ 13
Index, about & contact html pages	3 / 3
Styles.css & script.js file	2 / 2
Favicon & title tags	2 / 2
Navigation bar with links to all 3 pages, all redirects work	3 / 3
Navigation links change size and weight (bold) on selected page	1 / 1
Footer with some text & border on top	1 / 1
Heading 1: tags are uppercased (All Caps) & Heading 2: tags are capitalised (Proper Case)	? / 1
Home Page	/ 12
Circle profile image with a border	2 / 2
Profile image changes on hover & back to its previous state when mouse leaves	3 / 3
Table showing education & skills along with any other relevant information	2 / 4
Shrek title tag & bio with an email link	2 / 2
Profile image appears next to the title and bio (in the same "row")	1 / 1
About Page	/ 10
Title & description about yourself	2 / 2
Ordered list & Unordered list	2 / 2
Counter increments and decrements with each respective button click AND colour of the number changes depending on positive or negative value	5 / 6
Contact Page	/ 10
Form with all required elements & placeholders in each input / text area	4 / 4
Default disabled submit button, until name and email are entered	2 / 2
Alert working with correct values from the form	2 / 2
Console log working with correct values from the form	2 / 2
Total	/ 45