CDA 400 - Mock TCA

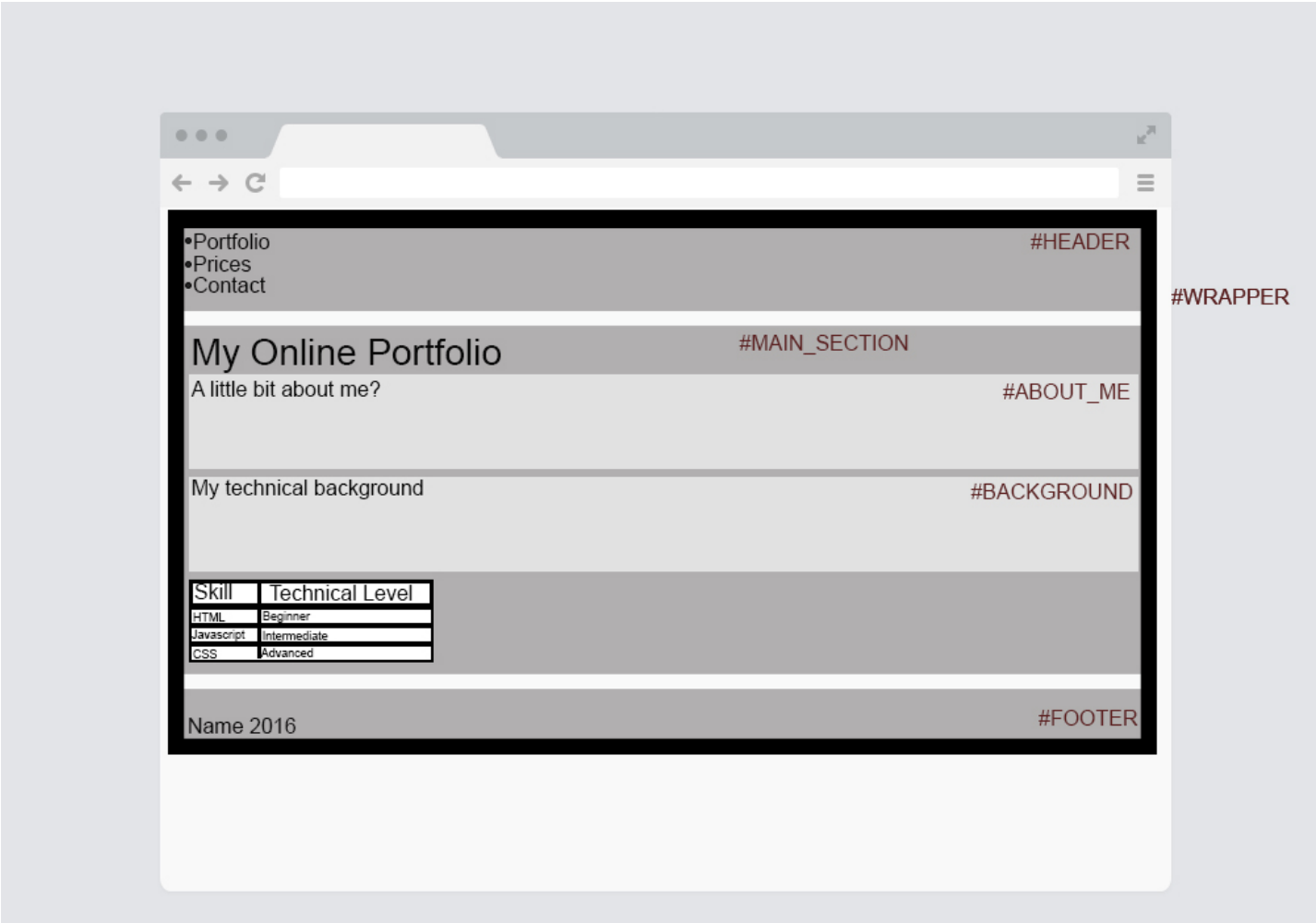
Time: 90 Mins

If you have provisions for extra time, please make your tutor aware.

Supporting material

- You may access your Internet Technology lab work and the lecture notes, you may also use any web materials of your choice.

Part 1 HTML Understanding



> Figure 1 - index.html wire frame. The sections ID's are in red.

Section one of this mock TCA is focused on creating a structured HTML document conforming to the wire frame specification shown in (Figure 1). At this stage do not worry about CSS, we'll style the site later

1) Setup

- **Note** , you can use Cloud 9 or a local set up to complete the mock TCA
- In cloud9 or on your local computer set up the following folder structure:

```
internet_tech_tca/
|- index.html
|- css/
|    |-main.css
```

- Within `index.html` set up a blank `html5` page and include `main.css`

For the rest of "part 1 HTML understanding" you will amending index.html ONLY. All instructions in this section will therefore be by default referring to index.html

2) Within `index.html`, create a `wrapper`, `header`, `main_section`, `about_me` and `background` section, all of these elements should be wrapped in a `wrapper` div. You may use `div`'s or semantic HTML.

> If you get this far, you will achieve F3

3) Within the `#MAIN_SECTION`:

- Create the primary heading "My Online Portfolio"
- Below the primary heading create **2 further sections**, giving them appropriate id's
- Within each section create a heading corresponding to the headings in (Figure 1). **You should use appropriate h tags**
- Within each section fill write a couple of paragraphs about yourself, don't forget to use `<p>` tags

> If you get this far, you will achieve F2

6) **Below the background section create a HTML table**

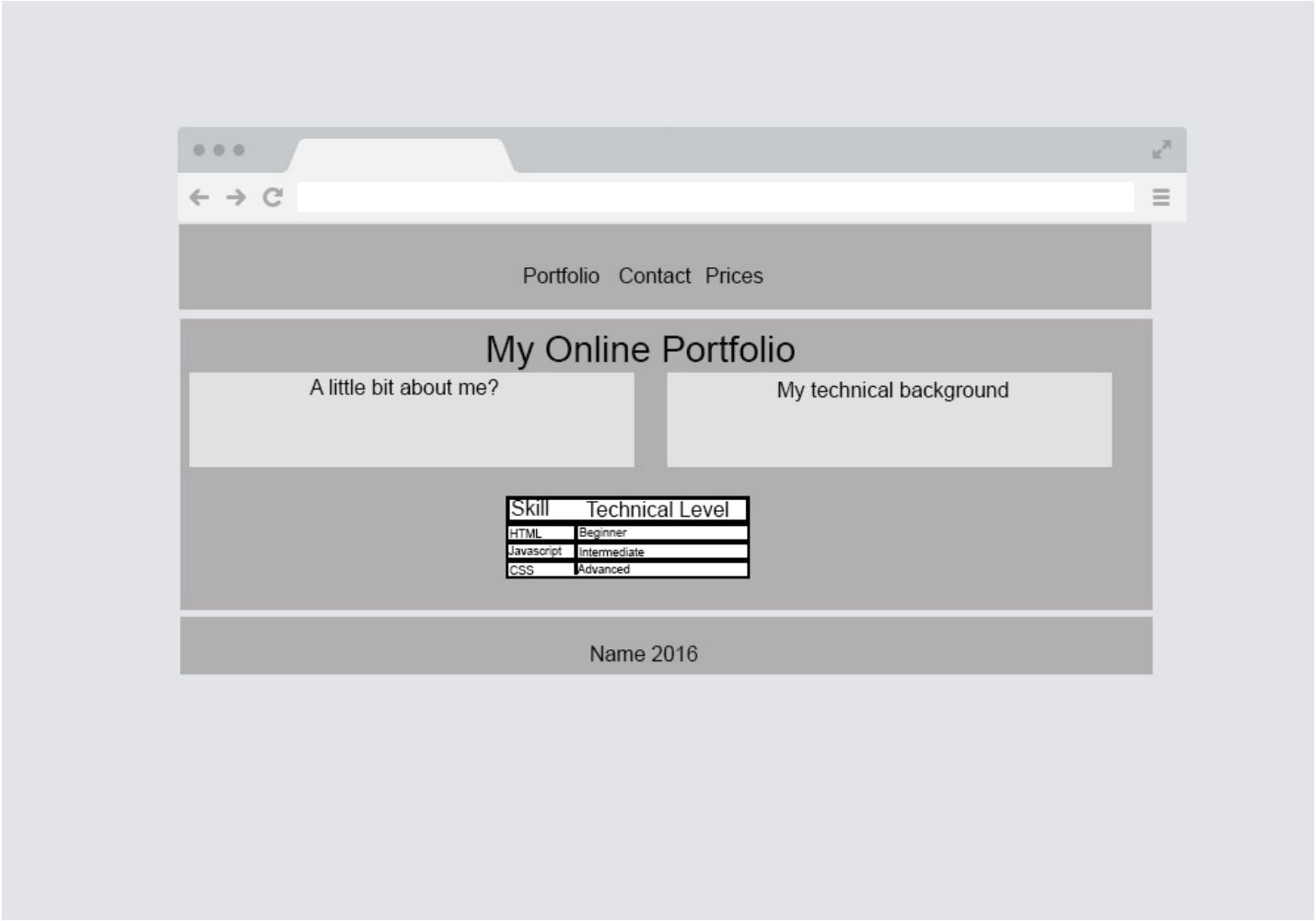
As the HTML table is a already a block level self containing element there's no need to place it in a div

Your table should resemble the one below: (you can change the technical level to represent your skill)

Skill	Technical Level
HTML	Beginner
Javascript	Intermediate
CSS	Advanced

> If you get this far, you will achieve F1

Part 2 CSS Understanding



> Figure 2 - index.html wire frame. The final layout we're looking to achieve .

This section will focus on styling our content so the layout represents (Figure 2) please carefully follow the steps listed below:

1) Setup:

- Within `internet_tech_tca/css/` you'll notice there is an empty style sheet called `main.css`
- All of your style rules will be implemented in `main.css`

2) Implement CSS rules to make the following adjustments to `index.html`:

- Centre all the `<h>` tags.
- Change the font of the entire page to Arial.
- The entire content should be nested in a `wrapper` section or div (implemented in part 2), set the width to `920px` and centre align it.

> If you get this far, you will achieve D2.

4) Styling the header and footer:

- Style the navigation list so it displays horizontally.

- The navigation list should be alined to the centre of the page
- Centrally align the footer text

> If you get this far, you will achieve C3.

5) Positioning the content sections:

- Use `float` layout to position `about me` and `technical_background` side by side.

> If you get this far, you will achieve B1.

6) Using CSS only, apply the following rules to the table:

Where possible use descendant selectors

- Centre align the table.
- Centre align the headings.
- Each skill, such as `html` should be bold and be a colour other than black.
- Give every other row a different background colour.

> If you get this far, you will achieve A1.

[END OF MOCK TCA]

7) **Submission**

- If you're using a local development environment zip your work and upload the submission to the SOL assessment area
- If you're using cloud 9. Right click on the `internet_tech_tca` folder click download. Upload the `zip file` to SOL assessment area