Front End Web-Development

'Scoala Informala de IT'

Final Project – 'My CV', Documentation.

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Cluj-Napoca

2022

Contents

Introduction

GOAL: The main goal of the Final Project is to apply and practice the theoretical aspects taught during the Front End Web Development Course, provided by 'Scoala Informala de IT'. It represents a challenge in that as many concepts as possible should be implemented during the development process.

SCOPE: The Scope of the Project is to build a CV-like Web-Site. The project that I have implemented is unique in that the CV is going to be available for on-line use only, it will not be printable, which is going to make it one of the most easy to read and comprehensive CV Platforms. Towards this increased readability goal I have implemented a series of features and traits that are ground-breaking in the field. One of them is represented by the fact that, unlike static CVs, this one has a dedicated menu from which the user can chose exactly what information he desires to inspect. For instance, the Academic information are going to be displayed separately so they are not amalgamated with the Skills section, which makes it very easy to read and comprehend. This feature is going to help the Hiring Team as well, simplifying for them the navigation from one section to another. This is especially helpful taking into consideration the fact that, according to a 2018 eye-tracking study, *recruiters skim resumes for an average of 7.4 seconds* (O'Donnell, 2018).
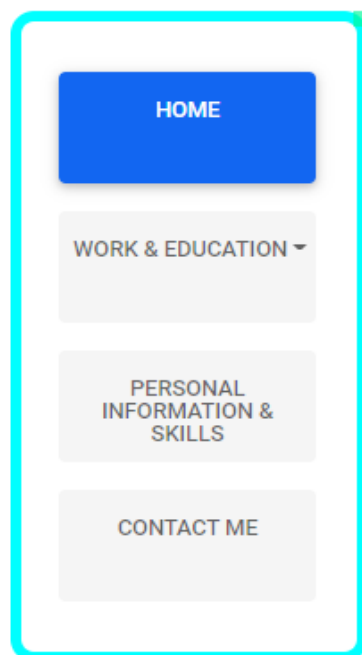
Fig.1 Dedicated Menu for each of the CV Sections, which makes navigation facile.

General Structure and Common Areas

Project Structure:

There will be a total of 5 Pages as follows:

- HOME

- WORK AND EDUCATION (as a Dropdown Menu with 2 options)

- ACADEMIC INFORMATION

- WORK EXPERIENCE

- PERSONAL INFORMATION AND SKILLS

- CONTACT ME

Common Areas:

- **HEADER** (contains an image of me with a link to HOME), some very basic info about me (age, gender etc.).

Age: 22
Gender: Male
Contact: +40 726 140 835
Mail: b.iancumarius@gmail.com
Adress: Cluj-Napoca, Romania

Fig.2 Header Section with basic information

- **NAVBAR MENU** (which will be used as a means of Navigation between Pages. –Fig1).

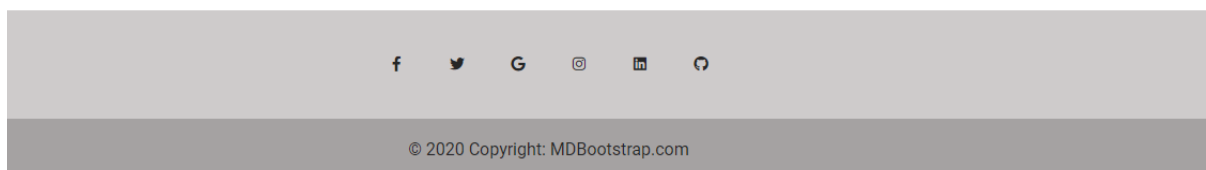- **FOOTER** (with Link to the main Social Platforms).

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Fig.3 Footer Section

Technologies/ Libraries/ Frameworks to be Used

- HTML 5

- CSS 3

- JAVA-SCRIPT (ES2015)

- BOOTSTRAP 5

- GitHub

- Visual Studio Code

- Grid (General Layout of the Page)

- Media Queries (see *Responsiveness* section)

Responsiveness

Mobile first, supported on all devices, via **MEDIA QUERIES**, Thresholds:

/* Extra small devices (phones, 600px and down) */

@media only screen and (max-width: 600px) {...}

/* Small devices (portrait tablets and large phones, 600px and up) */

@media only screen and (min-width: 600px) {...}

/* Medium devices (landscape tablets, 768px and up) */

@media only screen and (min-width: 768px) {...}

/* Large devices (laptops/desktops, 992px and up) */

@media only screen and (min-width: 992px) {...}

/* Extra large devices (large laptops and desktops, 1200px and up) */

@media only screen and (min-width: 1200px) {...}

(Bose, 2022)

The Solution will be **supported across all devices** that are currently in use, it being Responsive in the sense that content feature (such as *height, width, size etc.)* will alter according to the size of the view port. It will also be **Mobile First**, considering that nowadays **92.1 percent** of the people going online are using **mobile devices** (Statista.com, 2022).

Market Research

- The solution that I am going to implement will be better than the already existing options on the market, in that it will be exclusively for electronic devices, not for printing, which will add a unique dynamic strucure to the CV.
- It will be much easier to read and the information will be structured in such a way that you can see exactly what you are interested in at any given time. For instance, if you are interested in the Education information, you are only going to see that section, so you dont get distracted by irrelevant information
- The design will be clean, and it will not contain any unnecessary elements or items, so you can read and see only the information you are interested in.

Tasks Prioritization and Scheduling

1) Creation of the General Structure (Backbone) of the Site using **HTML**.

2) Applying appropriate style to the elements by using **CSS** and cretaing some new elements with **Bootstrap**.

3) Using **JAVASCRIPT** to create interactive components (The Films and Qoutes section in the *Canvas* that can be accessed from the Home Page).

4) Final Revisal and Optimization.

TIME-FRAME:

- 1) + 2) = 2 Weeks;
- 3) = ½ Week;
- 4) = ½ Week;

Solution Architecture and Visual Aids
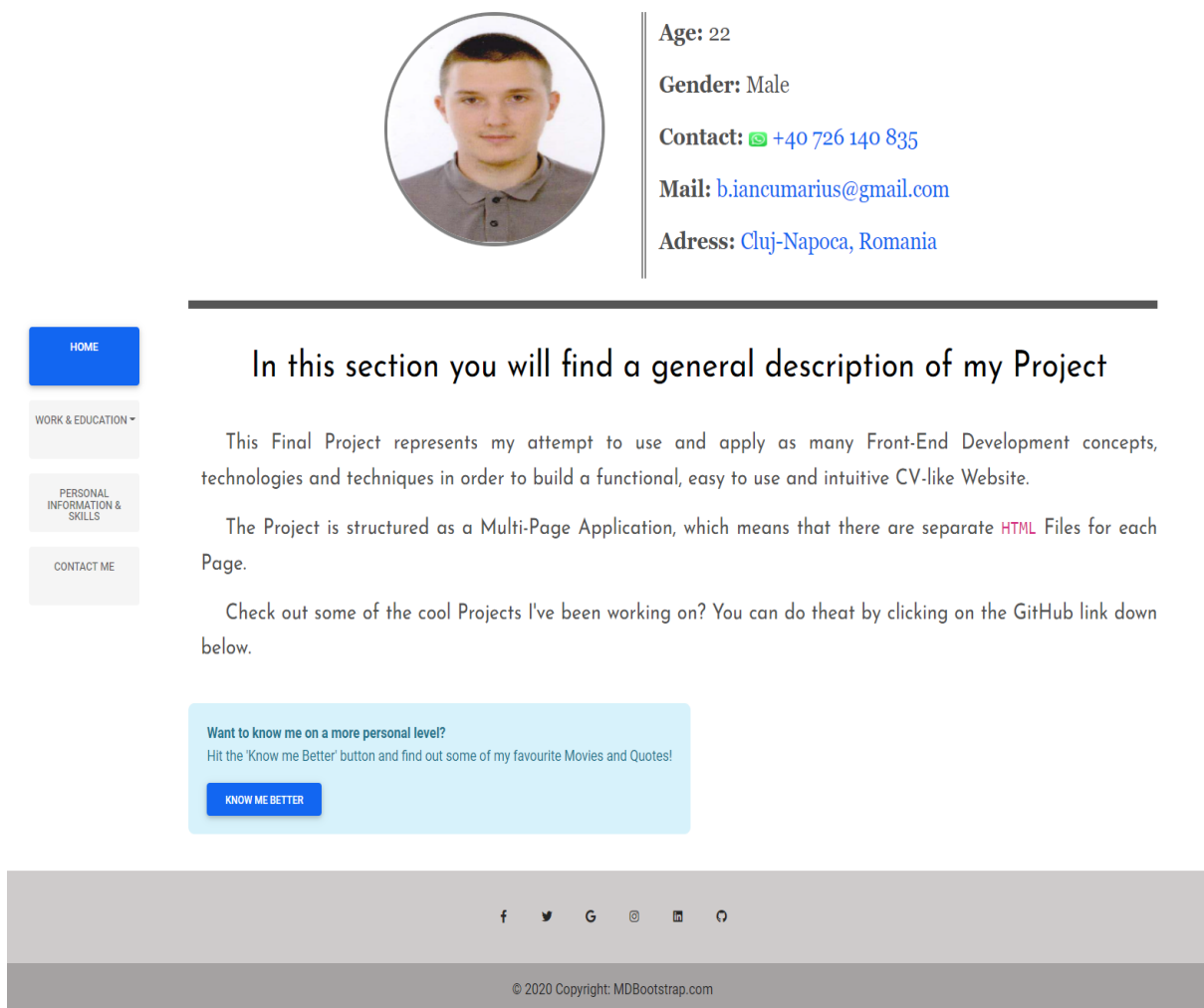
Fig.4 Home Page

Age: 22

Gender: Male

Contact: 🟢 +40 726 140 835

Mail: b.iancumarius@gmail.com

Adress: Cluj-Napoca, Romania

HOME

WORK & EDUCATION ▾

PERSONAL INFORMATION & SKILLS

CONTACT ME

In this section you will find a general description of my Project

This Final Project represents my attempt to use and apply as many Front-End Development concepts, technologies and techniques in order to build a functional, easy to use and intuitive CV-like Website.

The Project is structured as a Multi-Page Application, which means that there are separate HTML Files for each Page.

Check out some of the cool Projects I've been working on? You can do theat by clicking on the GitHub link down below.

Want to know me on a more personal level?
Hit the 'Know me Better' button and find out some of my favourite Movies and Quotes!

KNOW ME BETTER

f 🐦 G ⊙ in ⍵

Fig.5 Academic Information Page

Age: 22

Gender: Male

Contact: +40 726 140 835

Mail: b.iancumarius@gmail.com

Adress: Cluj-Napoca, Romania

HOME

WORK & EDUCATION

PERSONAL INFORMATION & SKILLS

CONTACT ME

In this section you will find information about my Academic Background

Latest Studies   Previous Studies   Non-Formal Education

Latest Studies

2021-Present

Babes-Bolyai University, Faculty of History and Philosophy, **M.A.** - Security Management

Previous Studies

2018-2021

Babes-Bolyai University, Faculty of European Studies, **B.A.** - International Relations and European Studies (English)

2015-2018

Colegiul National 'Avram-Iancu' Alba, **High-School** - Philology English-Bilingual

Non-Formal Education

CISCO Inc., **On-line Course** - Introduction to Cyber-Security

Fig.6 Work Experience Page

Age: 22

Gender: Male

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Adress: Cluj-Napoca, Romania

HOME

WORK & EDUCATION ▾

PERSONAL INFORMATION & SKILLS

CONTACT ME

In this section you will find a general description of my Work Experience

Latest Work Experience ∧

2022-Present

Scoala Informala de IT Cluj-Napoca, **Internship** - Front End Web-Development

Previous Work Experience ∨

Fig.7 Contact Page

Age: 22

Gender: Male

Contact: +40 726 140 835

Mail: b.iancumarius@gmail.com

Adress: Cluj-Napoca, Romania

HOME

WORK & EDUCATION ▼

PERSONAL INFORMATION & SKILLS

CONTACT ME

Contact me

Fill in the Form to get in touch.

Name

Enter name

Email Address

Enter email

Subject

Choose One:

Message

Message

SEND MESSAGE

Contact Me

Feel free to contact me if you want to send me a message, furnish me with a job offer or just for a social call.

Fig.8 Personal Information Page

Age: 22

Gender: Male

Contact: +40 726 140 835

Mail: b.iancumarius@gmail.com

Adress: Cluj-Napoca, Romania

HOME

WORK & EDUCATION ▾

PERSONAL INFORMATION & SKILLS

CONTACT ME

In this section you will find a general description of Me, my Goals and my Skills.

PERSONAL INFO AND GOALS

I consider myself to be a motivated ambitious person, with a good sense of humour... I hope, that is always looking for something challenging to do and to learn new things. I am interested in a lot of subjects, among them being History, Politics, Sociology and Natural Studies. In my spare time I like to watch movies, read, listen to music, play and watch football and hiking in the rural areas. I like to believe about myself that I have a good balance between creative and analytical traits.

TECHNICAL SKILLS AND TRAITS ⌃

IT SKILLS (Programming)

HTML	CSS	JAVASCRIPT

LANGUAGE SKILLS ⌄

OTHER SKILLS ⌄

Fig.9 Solution Architecture
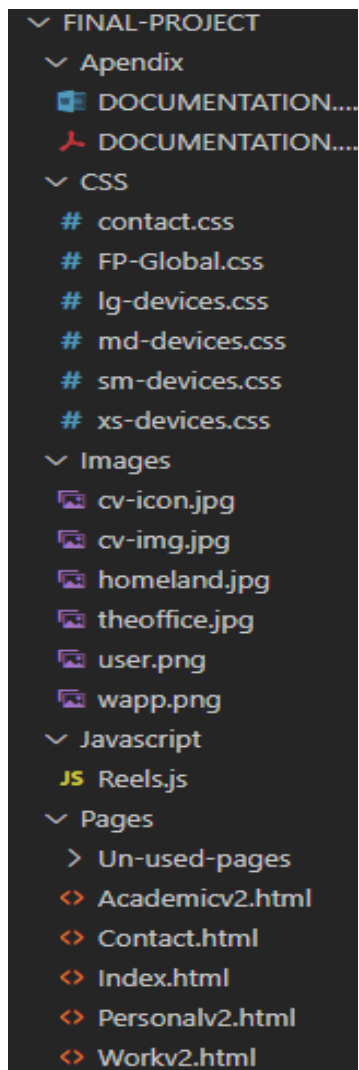
Fig.10 Javascript code snippet

```javascript
FINAL-PROJECT > Javascript > JS Reels.js > [∅] q5
1    let q1 = 'Never give in, never give in, never, never, never, never-in nothing, great or small, large or petty-never give in except to convictions of honour and good sense. - by Sir. Winston Churc
2    let q2 = 'If you want to be happy, be... - by Lev Tolstoi';
3    let q3 = 'I love not Man the less, but Nature more - by Lord Byron';
4    let q4 = 'One of the penalties for refusing to participate in politics is that you end up being governed by your inferiors. - by Plato';
5    let q5 = "'If voting changed anything, they'd make it illegal. - by Emma Goldman";
6    const quotes = [q1, q2, q3, q4, q5];
7
8    let f1 = 'The Office US';
9    let f2 = 'Brookyn 99';
10   let f3 = 'Homeland';
11   let f4 = 'The Crown';
12   let f5 = 'Shetland';
13   const films = [f1, f2, f3, f4, f5];
14
15   function quotesFunction() {
16       const randomQuote = quotes[Math.floor(Math.random() * quotes.length)];
17       document.getElementById('quote-display').innerHTML = randomQuote;
18   };
19
20   function filmsFunction() {
21       const randomFilm = films[Math.floor(Math.random() * films.length)];
22       document.getElementById('film-display').innerHTML = randomFilm;
23   };
```

Fig.11 CSS code snippet

```css
@media only screen and (min-width: 768px) {
    .grid-container {
        display: grid;
        width: 100%;
        grid-template-columns: 20% 75% 5%;
        grid-auto-rows: auto;
        row-gap: 1.5rem;
        margin-top: 2rem;
        padding: 1rem 0rem 1rem 0rem;
        background-color: white;
    }

    .navigation-bar {
        grid-column: 1 / 2;
        grid-row: 2 / 4;
        width: 12.5rem;
        height: fit-content;
        margin: 0rem 2rem 0rem 0.5rem;
        border-radius: 10pt;
        padding: 1.3rem;
    }

    .nav {
        justify-content: left;
    }

    .nav-link {
        width: 9rem;
        height: 3rem;
        font-size: 0.8rem !important;
        padding: 1rem 0.5rem 3rem 0.5rem !important;
        text-align: center;
    }
}
```

Fig.12 HTML code snippet

```html
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5     <title>My CV - Final Project</title>
6     <link rel="favicon" type="image/x-icon" href="../Images/cv-icon.jpg">
7     <meta name="viewport" content="width=device-width, initial-scale=1">
8     <meta charset="UTF-8">
9     <meta name="author" content="Iancu-Marius Bufnea">
10    <meta name="keywords" content="CV">
11    <link rel="stylesheet" type="text/css" href="../CSS/FP-Global.css">
12    <link rel="stylesheet" type="text/css" href="../CSS/xs-devices.css">
13    <link rel="stylesheet" type="text/css" href="../CSS/sm-devices.css">
14    <link rel="stylesheet" type="text/css" href="../CSS/md-devices.css">
15    <link rel="stylesheet" type="text/css" href="../CSS/lg-devices.css">
16    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet">
17    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>
18    <script type="text/javascript" src="https://cdnjs.cloudflare.com/ajax/libs/mdb-ui-kit/4.4.0/mdb.min.js"></script>
19    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css" rel="stylesheet" />
20    <link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700&display=swap" rel="stylesheet" />
21    <link href="https://cdnjs.cloudflare.com/ajax/libs/mdb-ui-kit/4.4.0/mdb.min.css" rel="stylesheet" />
22  </head>
23
24  <body>
25    <div class="grid-container">
26      <header>
27        <div class="header-image-description">
28          <div class="user-image-div"><a href="index.html"><img class="user-image" src="../Images/cv-img.jpg"
29              title="Go to Home Page"></a></div>
30          <div class="user-description">
31            <p class="quick-description-header"><strong class="quick-description-header">Age: </strong>22</p>
32            <p class="quick-description-header"><strong class="quick-description-header">Gender: </strong>Male</p>
33            <p class="quick-description-header" title="This is my WhatsApp number"><strong
34                class="quick-description-header">Contact: </strong><img class="header-wapp-contact"
35                src="../Images/wapp.png"> <a href="tel:0726-140-835">+40 726 140 835</a></p>
36            <p class="quick-description-header"><strong class="quick-description-header">Mail: </strong><a
37                href="mailto:b.iancumarius@gmail.com"
38                title="Click this if you want to contact me via Email.">b.iancumarius@gmail.com</a></p>
39            <p class="quick-description-header"><strong class="quick-description-header">Adress: </strong><a
40                href="https://www.google.com/maps/place/Cluj-Napoca/@46.7834818,23.5464729,12z/data=!3m1!4b1!4m5!3m4!1s0x47490c1f916c0b8b:0xbbc601c331f148b!8m2!3d46.7712101!4d23.6236353"
41                target="_blank" title="Click this in order to see my location on Google Maps.">Cluj-Napoca, Romania</a>
42            </p>
43          </div>
44        </div>
45      </header>
```

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