

## FULL STACK DEVELOPMENT SKILLS PROFILE DASHBOARD



- **Developer Goals**

1. Clarify full scope of the skills I am going to acquire during the course
2. Identify gaps in my FSWD profile
3. Reinforce knowledge of Javascript, especially on working with numbers and connecting it to interactive design
4. Learn new functionalities in Interactive Front- end: canvas, googlesheets api, print from the page.
5. Promote my FSD skills and knowledge in 2 different domains - application development and consulting.
6. In the future it can be sold as a package to educational institutions for their educational programs or used for surveys

- **User Goals**

1. Develop a nice looking personal Skills Profile document for a developer resume (send to email or print to a printer).
2. Clarify full scope of the skills required for Full Stack Developer
3. Identify weakest areas of expertise that need practical efforts in the future
4. Track the progress using 2 major skills profile KPIs - Theoretical capacity and practical ability.

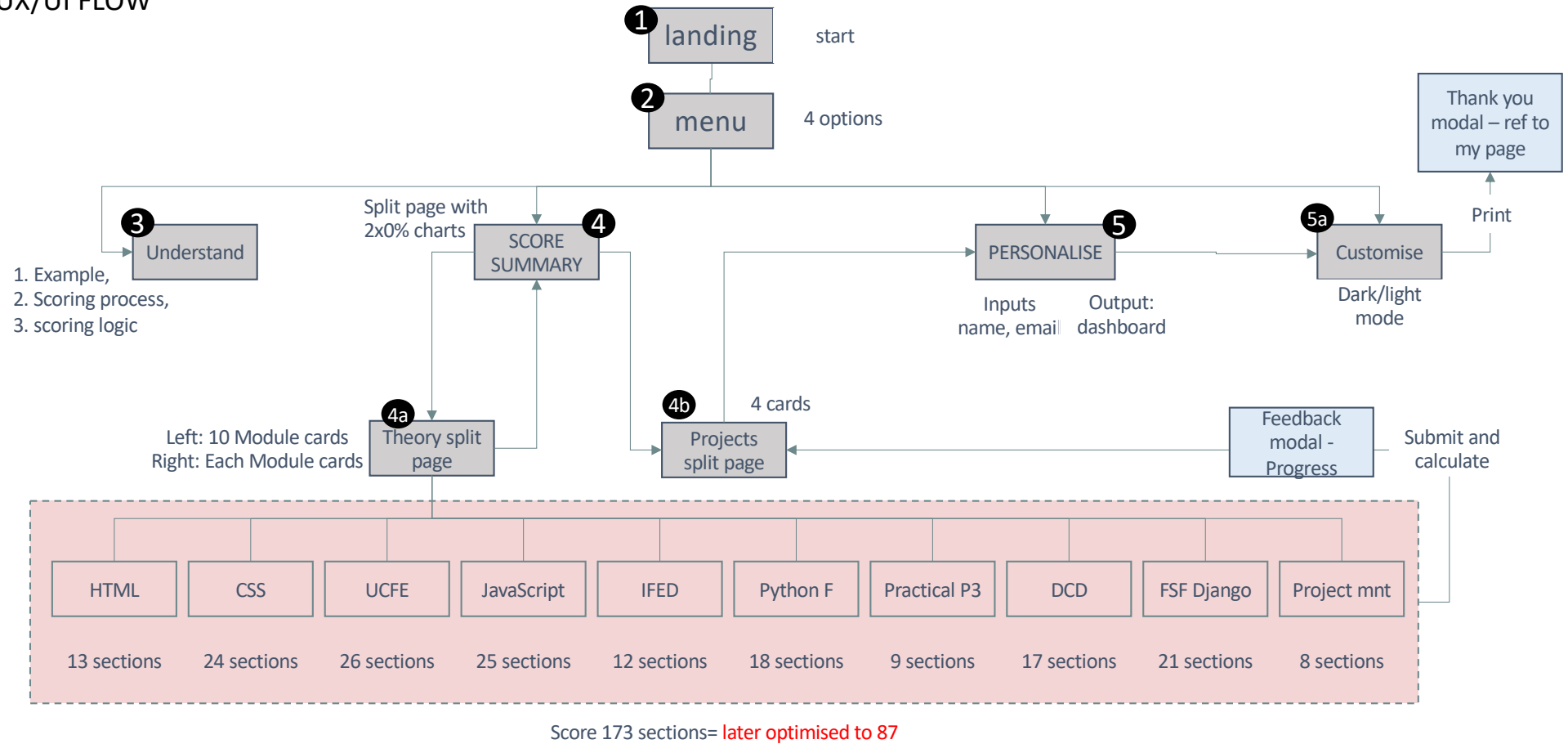
### 1.2 User Stories

This web-site is built for Full Stack Development **Students** and **Developers** pursuing career in this field

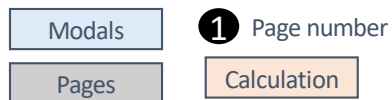
- As a **beginner student** I want to understand what I will learn during the course and set up a baseline using an assessment
- As a FSD **student approaching my graduation** I want to understand which skills still need to be reinforced with practice
- As a **Junior developer** I want to have a simple electronic dashboard with realistic assessment my practical and theoretical knowledge and skills to use it during a job application process
- As a **qualified professional** I want to understand on 1 page what assignments I can practically cope with as a developer, and which areas still need to be improved
- As a **user** I want to be able to use it as a reference to my friends and colleagues to have a simple answer to what it means being a Full Stack Developer from technical point of view

# STRUCTURE AND FLOW

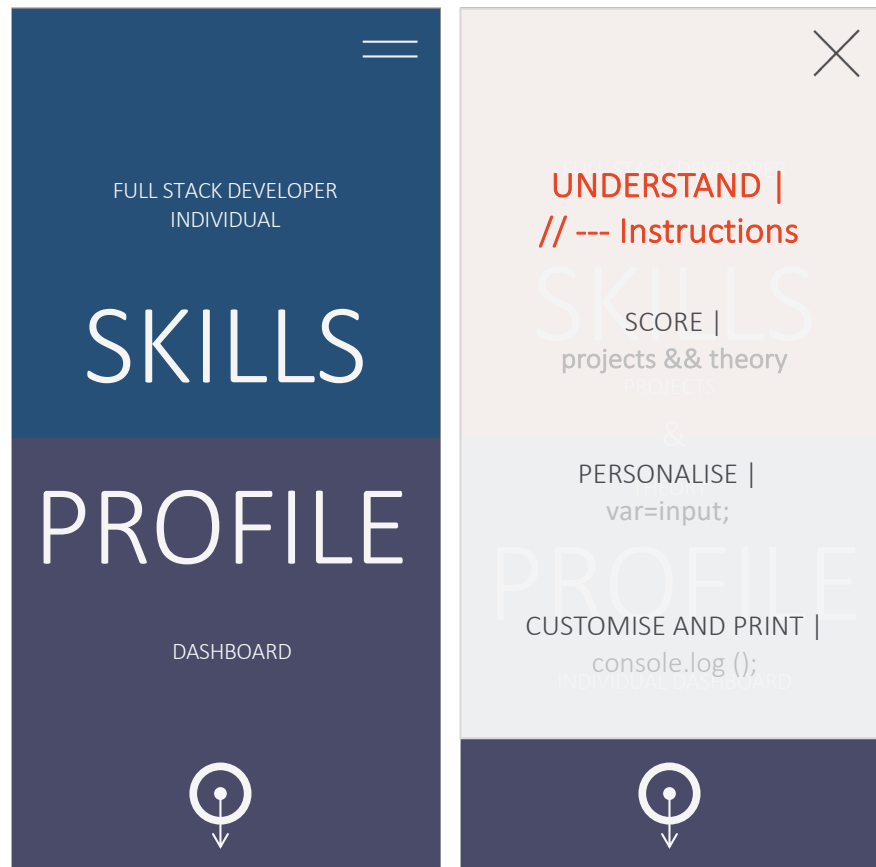
## UX/UI FLOW



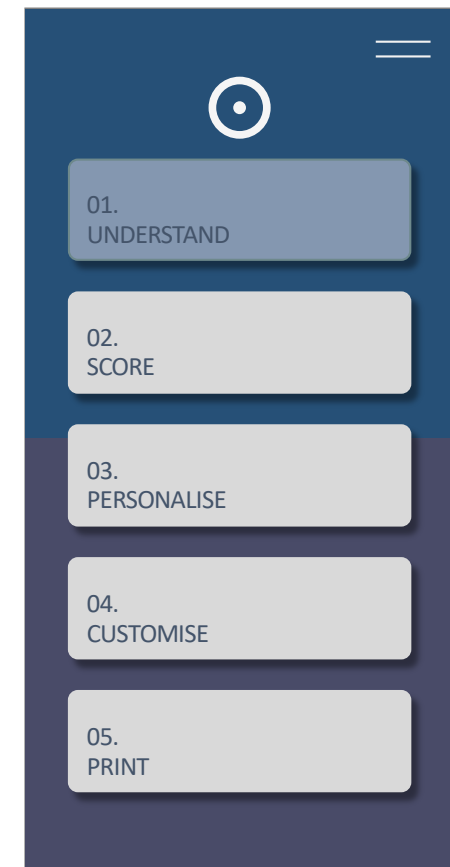
### LEGEND



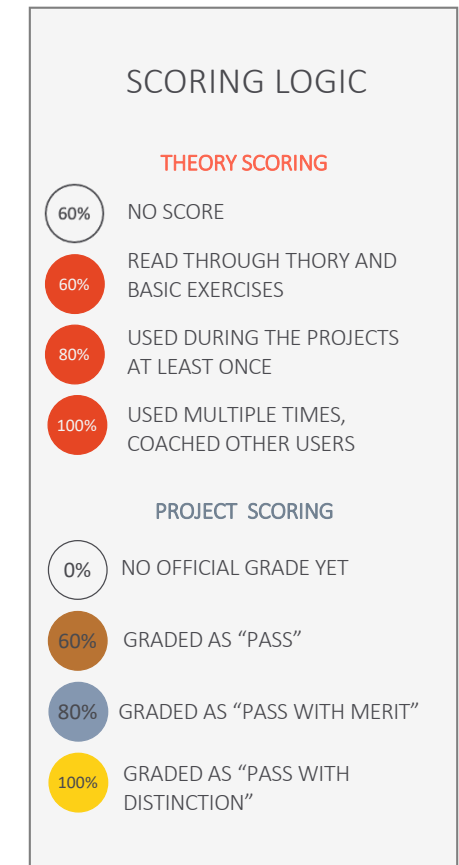
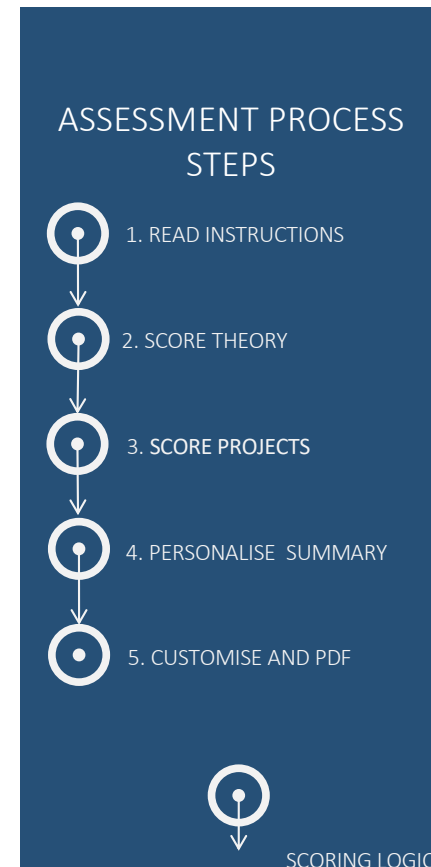
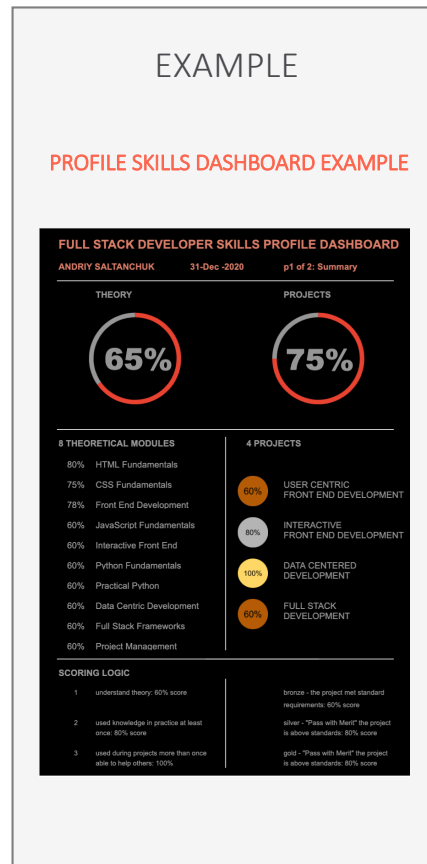
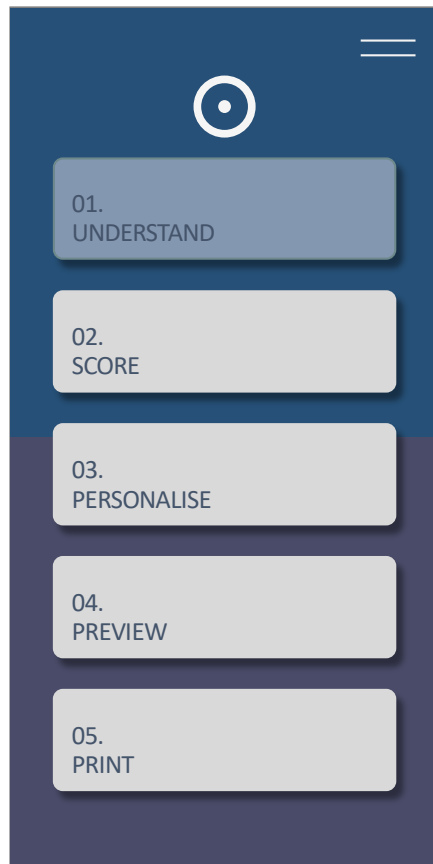
1 Landing page:



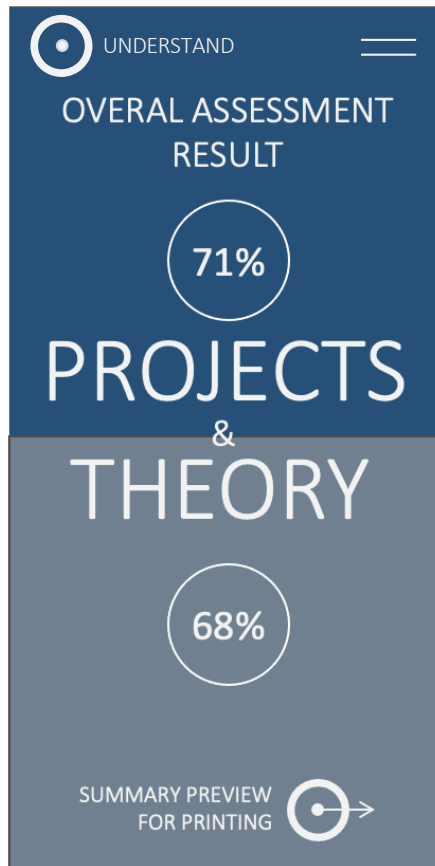
2 MOBILE: MENU ^UNDERSTAND SECTION



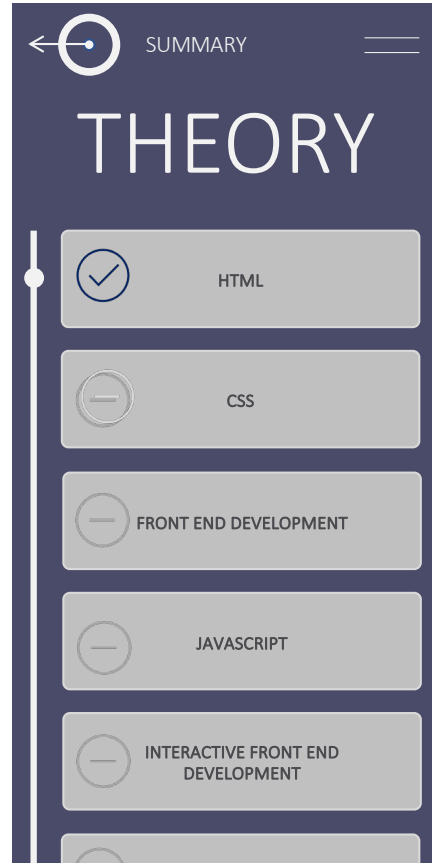
### 3 “UNDERSTAND” SECTION



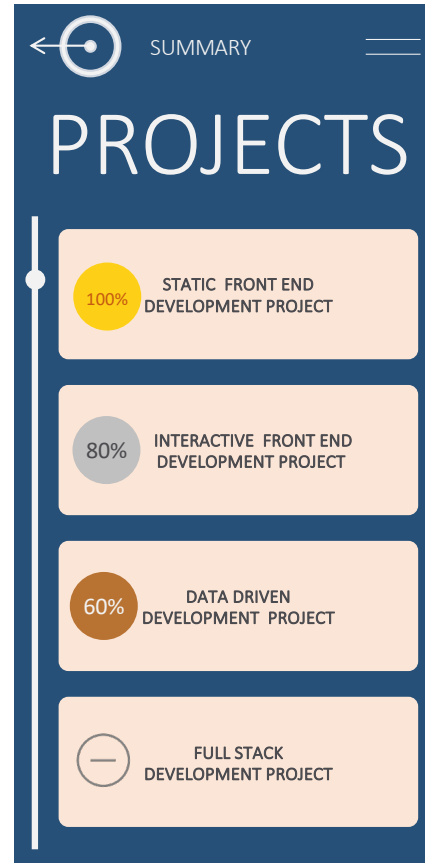
#### 4 SCORE SECTION



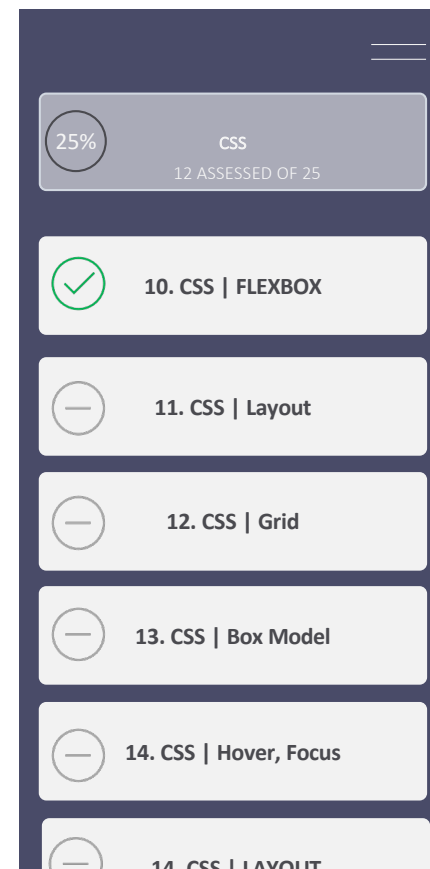
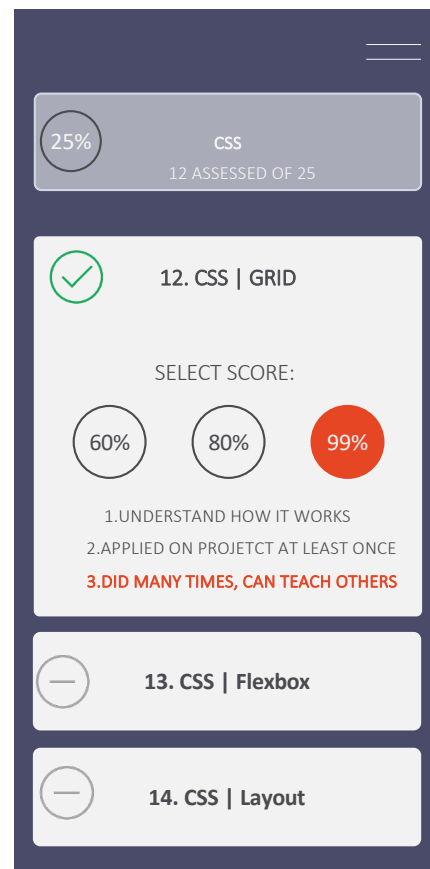
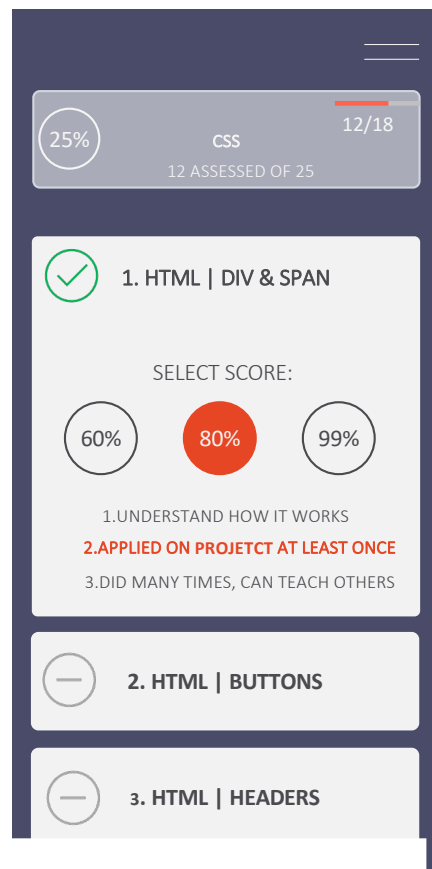
#### 4a SCORE theory



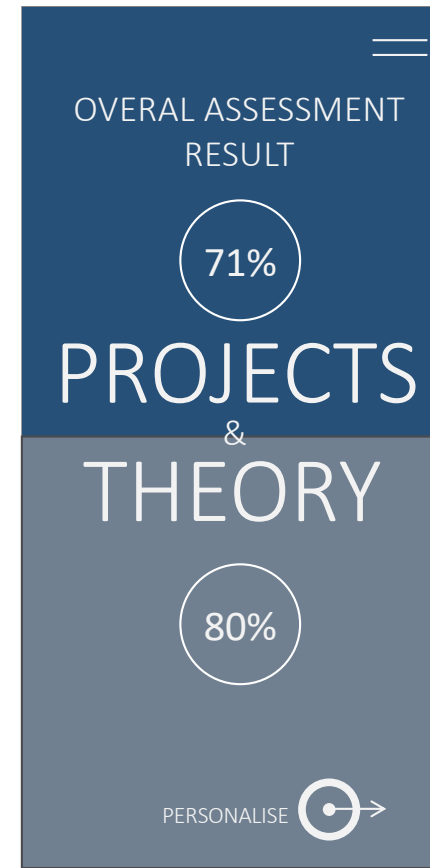
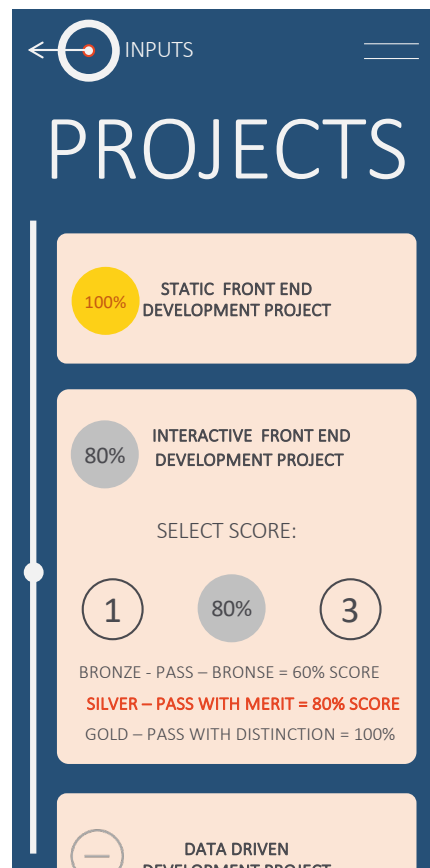
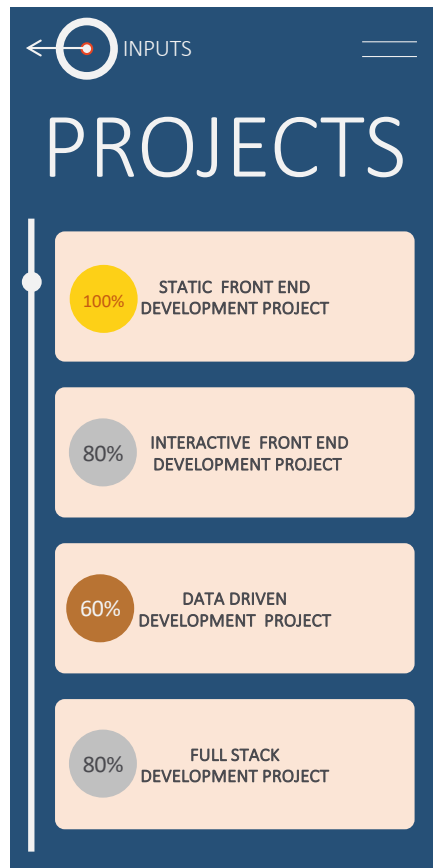
#### 4b SCORE projects



4a SCORE SECTION theory



4b SCORE SECTION projects





5

## PERSONALISE/PRINT

INPUT FIELDS FOR PRINT

FULL NAME

EMAIL

PRINT



## FULL STACK DEVELOPER SKILLS PROFILE DASHBOARD

ANDRIY SALTANCHUK

31-Dec -2020

p1 of 2: Summary

## THEORY



## PROJECTS



## 8 THEORETICAL MODULES

- 80% HTML Fundamentals
- 75% CSS Fundamentals
- 78% Front End Development
- 60% JavaScript Fundamentals
- 60% Interactive Front End
- 60% Python Fundamentals
- 60% Practical Python
- 60% Data Centric Development
- 60% Full Stack Frameworks
- 60% Project Management

## 4 PROJECTS

USER CENTRIC

FRONT END DEVELOPMENT

INTERACTIVE

FRONT END DEVELOPMENT

DATA CENTERED

DEVELOPMENT

FULL STACK

DEVELOPMENT

## SCORING LOGIC

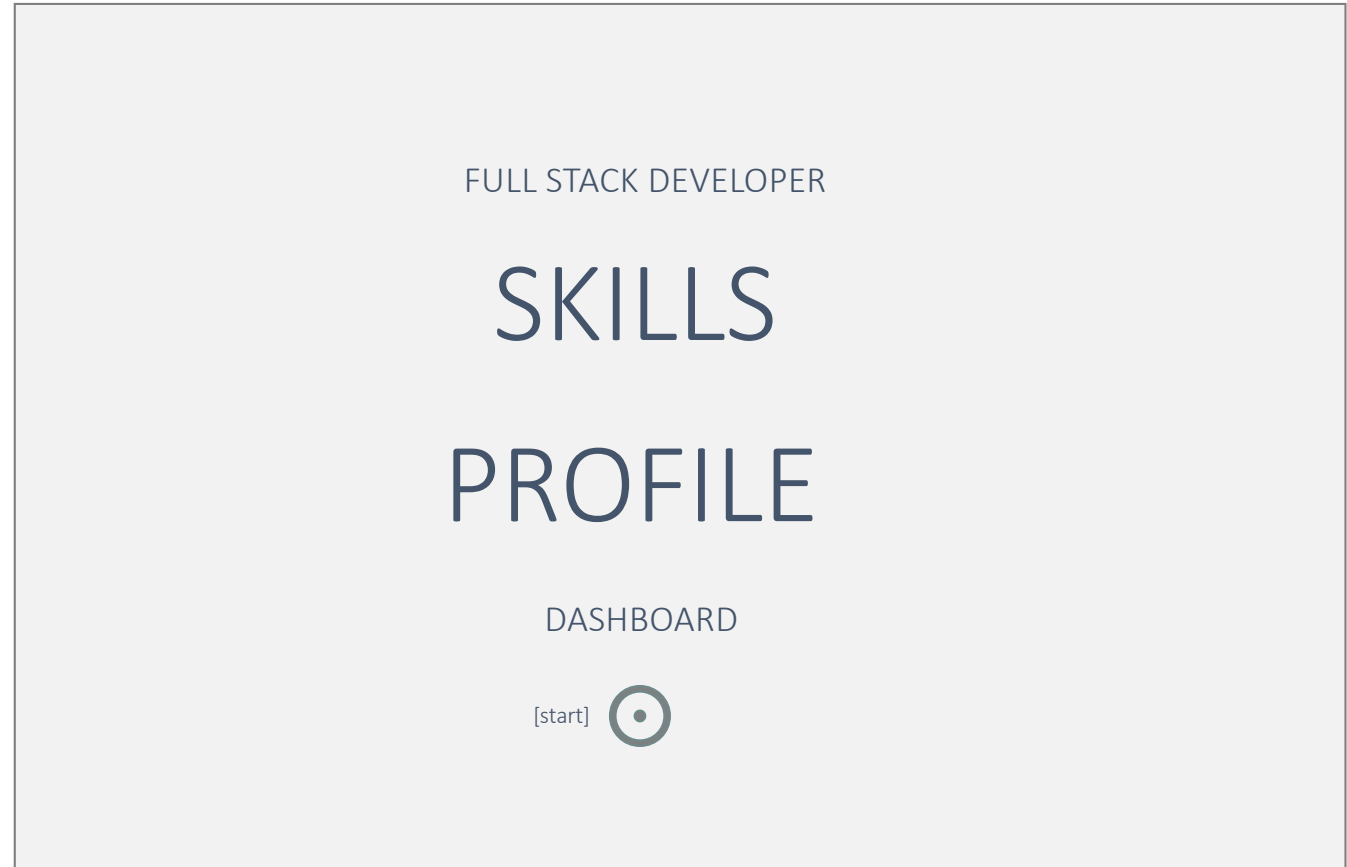
- |   |   |  |
|---|---|--|
| 1 | understand theory: 60% score                                  | bronze - the project met standard requirements: 60% score            |
| 2 | used knowledge in practice at least once: 80% score           | silver - "Pass with Merit" the project is above standards: 80% score |
| 3 | used during projects more than once able to help others: 100% | gold - "Pass with Merit" the project is above standards: 80% score   |

PRINT

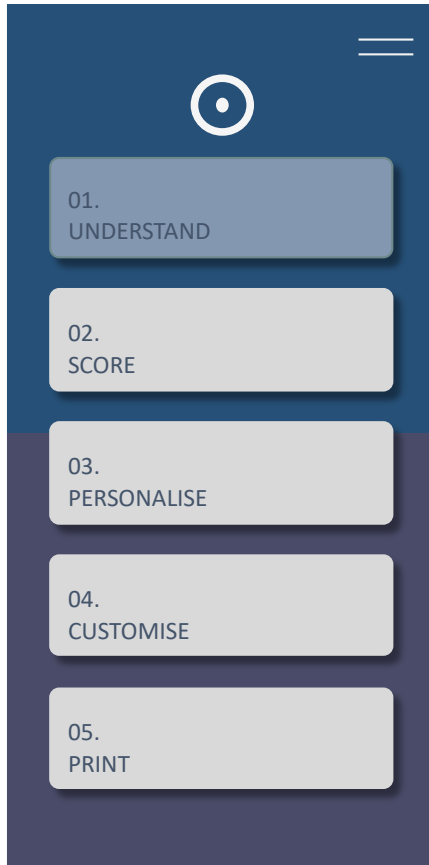


# MOBILE AND DESKTOP VIEWS

1 Landing page:



## 2 MENU



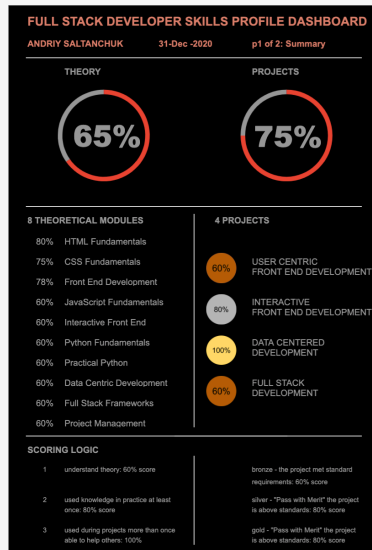
### Challenges

1. Card transforming into full screen page (Jquery)

### 3 “UNDERSTAND” SECTION – simple scroll down page

#### EXAMPLE

##### PROFILE SKILLS DASHBOARD EXAMPLE



#### [UNDERSTAND]

##### ASSESSMENT PROCESS STEPS

1. READ INSTRUCTIONS
2. SCORE THEORY
3. SCORE PROJECTS
4. PERSONALISE SUMMARY
5. CUSTOMISE AND PDF



SCORING LOGIC

##### SCORING LOGIC

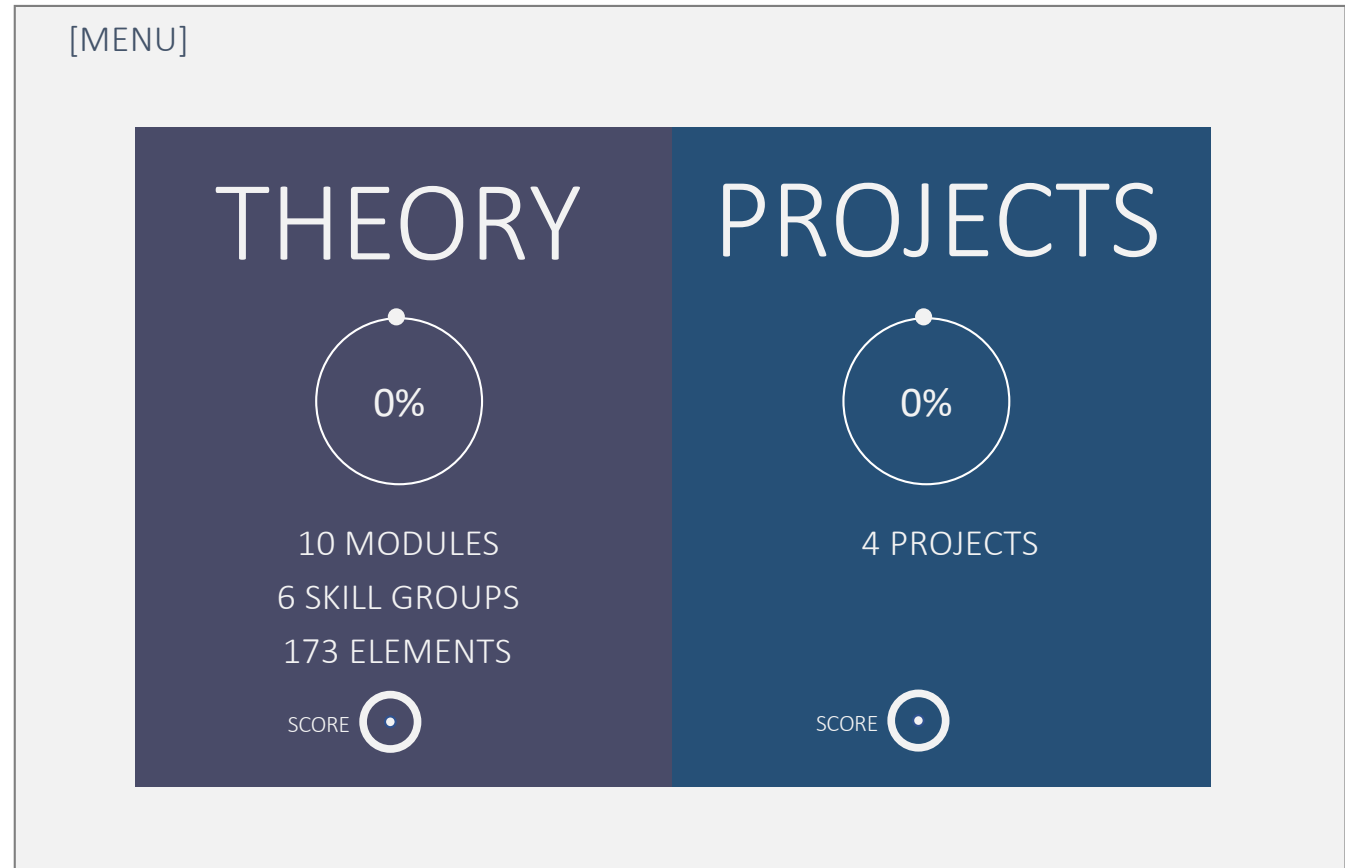
###### THEORY SCORING

- 60% NO SCORE
- 60% READ THROUGH THEORY AND BASIC EXERCISES
- 80% USED DURING THE PROJECTS AT LEAST ONCE
- 100% USED MULTIPLE TIMES, COACHED OTHER USERS

###### PROJECT SCORING

- 0% NO OFFICIAL GRADE YET
- 60% GRADED AS "PASS"
- 80% GRADED AS "PASS WITH MERIT"
- 100% GRADED AS "PASS WITH DISTINCTION"

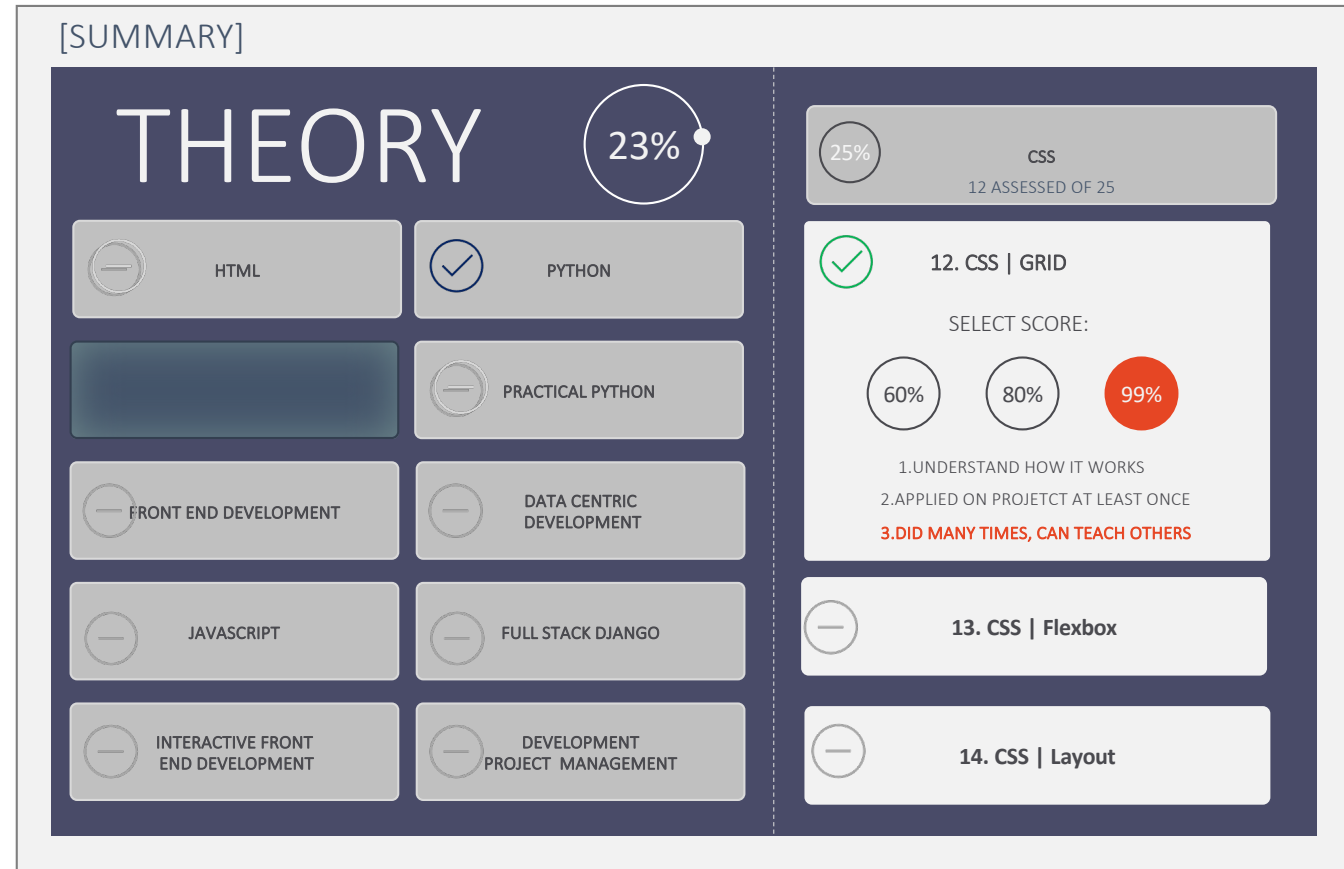
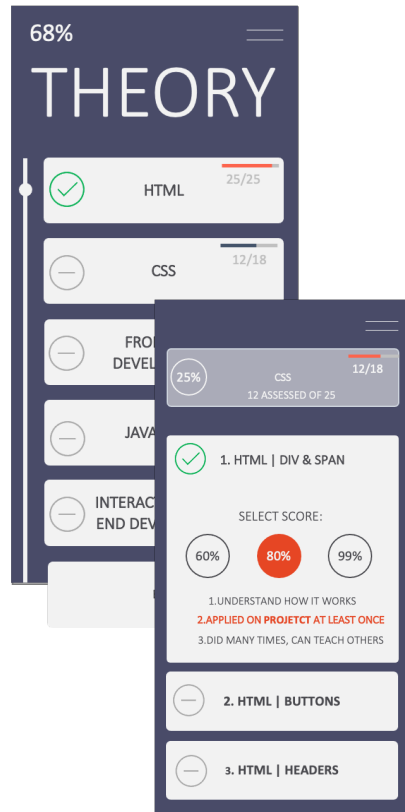
#### 4 SCORING SECTION



#### Challenges

1. Donut Charts and calculation mechanism in JS
2. Interactive Score cards
3. 173 features and elements

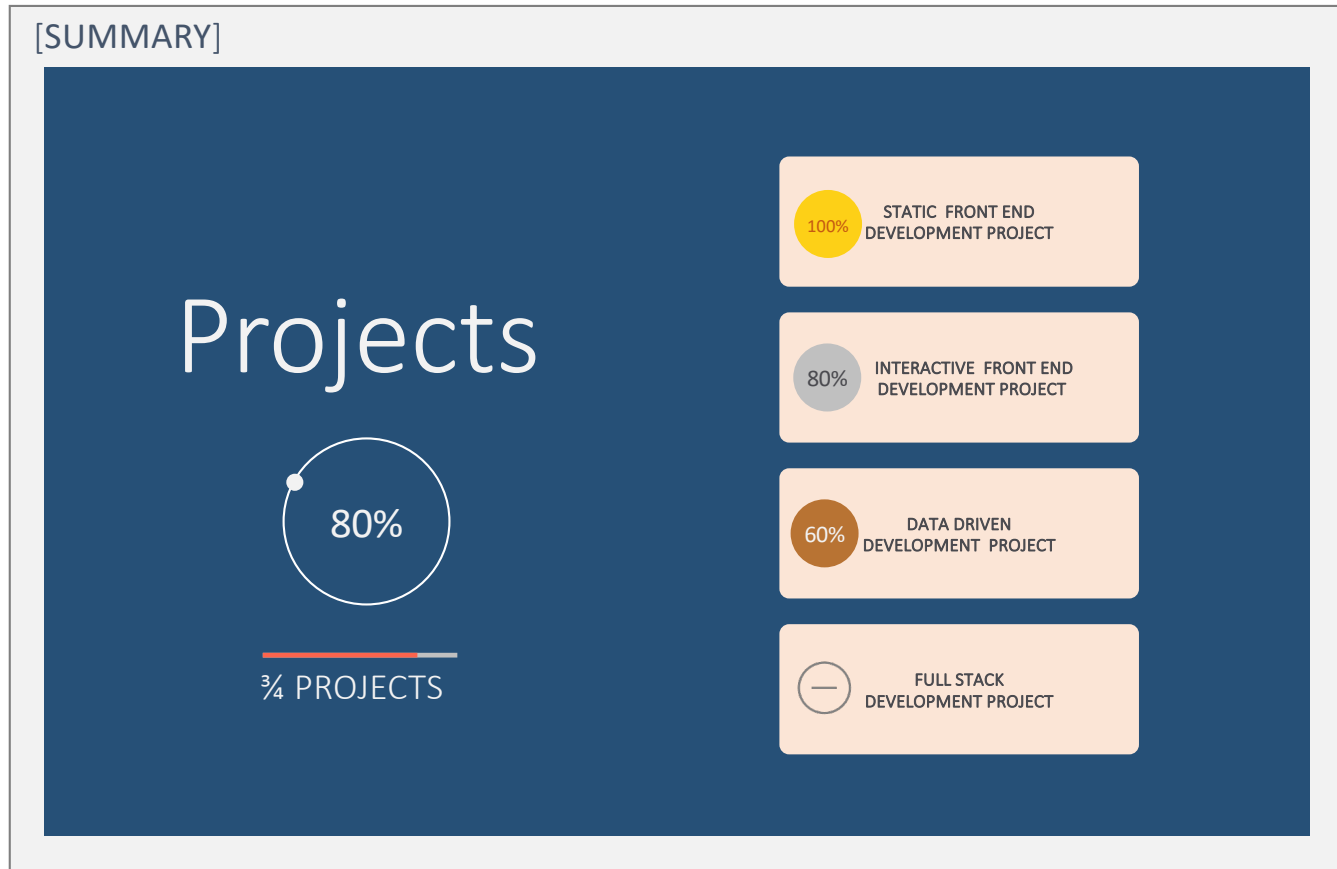
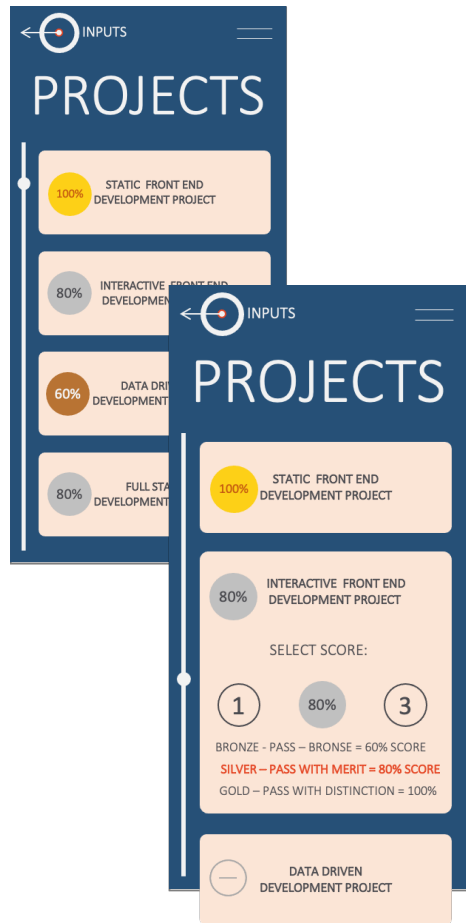
#### 4b SCORING SECTION: Theory



#### Challenges

1. Progress bar
2. Icons
3. Responsiveness – showing only right section, scrolling
4. Keep scoring in memory (Arrays, objects?)

## 4a SCORING SECTION: Projects

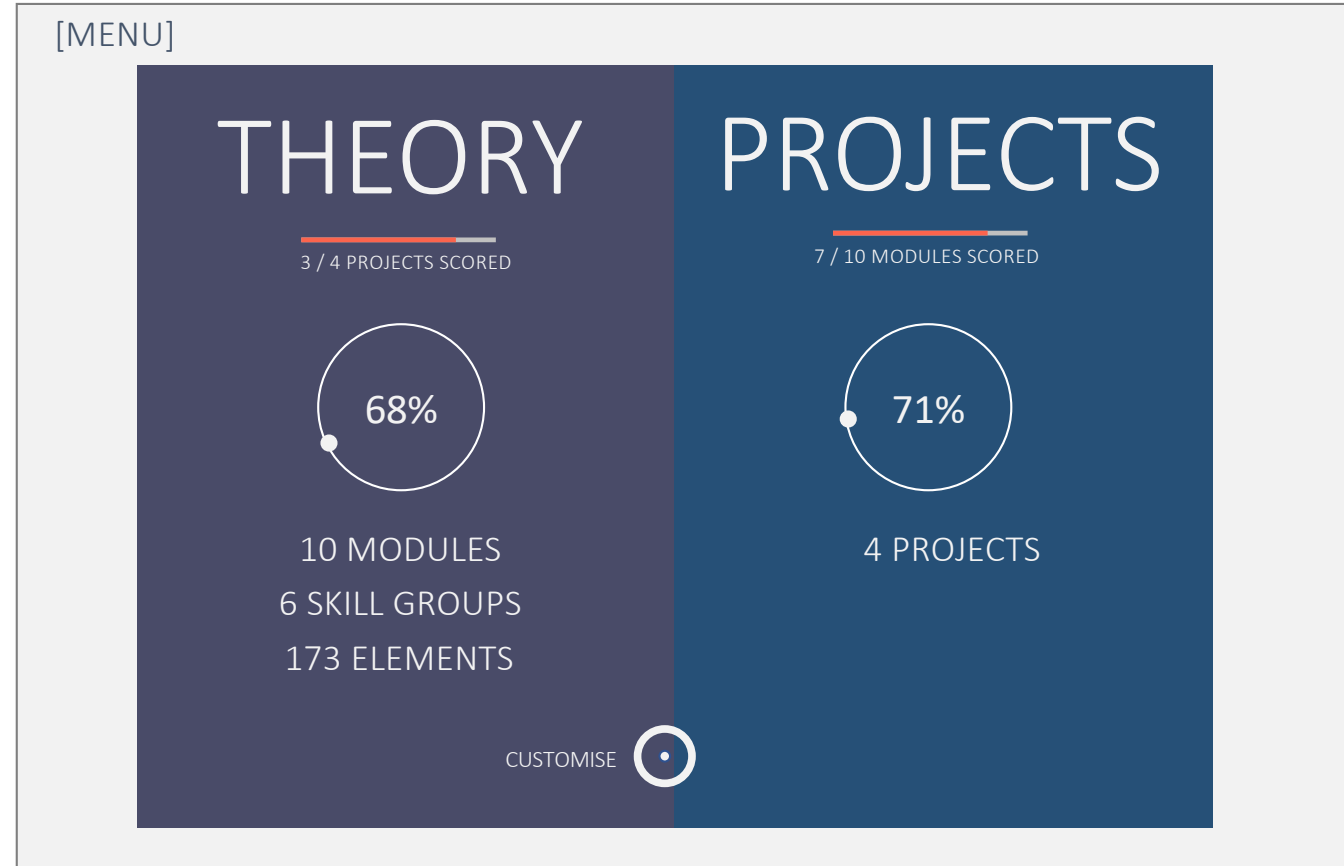
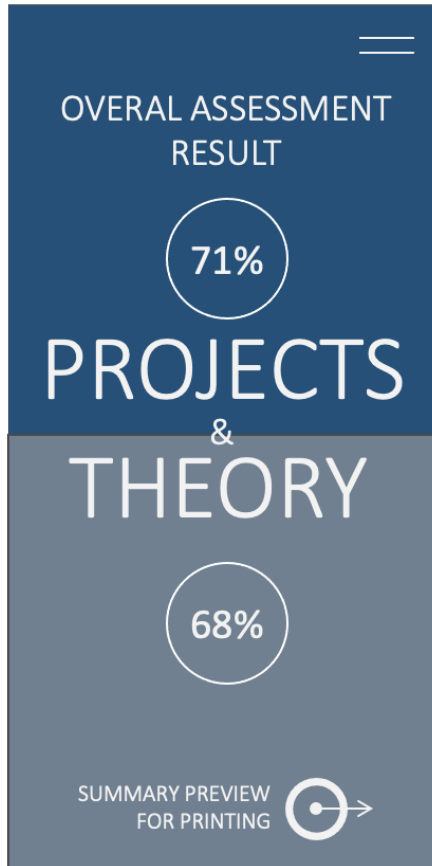


### Challenges

1. Donut chart,
2. Progress Bar
3. Calculating mechanism
4. Interactive icons



#### 4 Score Preview



#### Challenges

1. Progress bar
2. Responsiveness – showing only right section, scrolling
3. Keep scoring interactive, how to keep all in memory (Arrays, objects, API Google sheets upon customise button hit)

## 5 Personalise

INPUT FIELDS FOR PRINT

FULL NAME

EMAIL

I START

PRINT

PAGE 1 OF 2

FULL STACK DEVELOPER SKILLS PROFILE DASHBOARD

ANDRIY SALTANCHUK 31-Dec-2020 p1 of 2: Summary

THEORY

65%

8 THEORETICAL MODULES

80% HTML Fundamentals

75% CSS Fundamentals

78% Front End Development

60% JavaScript Fundamentals

60% Interactive Front End

60% Python Fundamentals

60% Practical Python

60% Data Centric Development

60% Full Stack Frameworks

60% Project Management

SCORING LOGIC

1 understand theory: 80% score

2 used knowledge in practice at least once: 80% score

3 used during projects more than once able to help others: 100%

PRINT

PAGE 2 OF 2

FULL STACK DEVELOPER SKILLS PROFILE DASHBOARD

ANDRIY SALTANCHUK 31-Dec-2020 p2 of 2: Tools and Languages

PROGRAMMING LANGUAGES AND FRAMEWORKS

1 HTML

2 CSS

3 HTML/CSS Project

4 JavaScript Project

5 Browser Deviation

6 JSP

7 JavaScript

8 jQuery

9 jQuery

10 JS

11 Python

12 PHP

13 Database

14 MySQL, SQL

15 Django

16 Data Project

17 Django

18 Full Stack Project

19 React

20 Development Project management

SCORING LOGIC

understands theory: 80% score

have used knowledge in practice at least once: 80% score

used during projects more than once able to help others: 100%

[SUMMARY]

PERSONAL INPUTS

FULL NAME

EMAIL

CUSTOMISE

FULL STACK DEVELOPER SKILLS PROFILE DASHBOARD

ANDRIY SALTANCHUK 31-Dec-2020 p1 of 2: Summary

THEORY

65%

PROJECTS

75%

8 THEORETICAL MODULES

80% HTML Fundamentals

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60% Full Stack Frameworks

60% Project Management

4 PROJECTS

USER CENTRIC FRONT END DEVELOPMENT

INTERACTIVE FRONT END DEVELOPMENT

DATA CENTERED DEVELOPMENT

FULL STACK DEVELOPMENT

SCORING LOGIC

1 understand theory: 80% score

2 used knowledge in practice at least once: 80% score

3 used during projects more than once able to help others: 100%

bronze - the project met standard requirements: 60% score

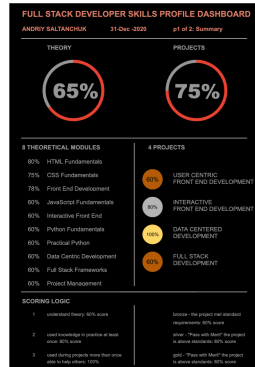
silver - "Pass with Merit" the project is above standards: 80% score

gold - "Pass with Merit" the project is above standards: 80% score

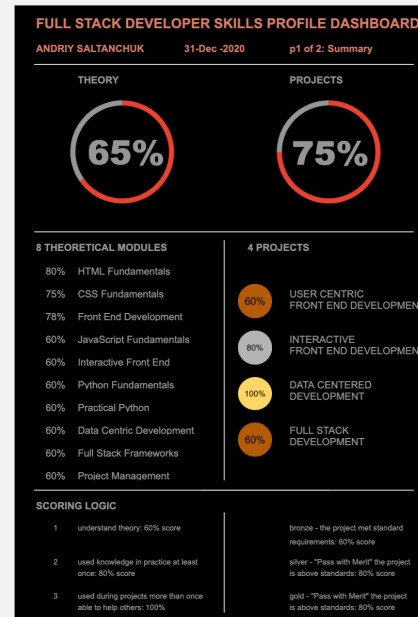
## Challenges

- Generating the report (thought: have a separate page for report, generate preview in A4 format)
- Update Google Sheets and Retrieve Report from Google Sheets

## 5 CUSTOMISE



[MENU]



[PRINT]

## Challenges

1. Switch Mode, dark light
2. Send by email I pdf (EmailJS)

OTHER THOUGHTS

## OTHERS: Other features

- UNDERSTAND section Instruction page for desktop – see slide
- Modals when after scorecard submission
- Feedback with user – warnings about info loss if reloaded
- Copyright modal

## OTHERS: Source

OTHERS: Source

MS2 DTB and Print out

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	A	B	C	D	E	F
1	Modules				Languages, Frameworks, Project Management	
2	fsd_module	fsd_module_section	COUNT of no		fsd_skill_language	COUNT of no
3	+ CSS Fundamentals Total		24		API	7
4	+ Data centric Development Total		17		Bootstrap	5
5	+ Fullstack framework with Django Total		21		Browser Manipulation	2
6	+ HTML fundamentals Total		13		CSS	24
7	+ HTML/CSS Project Total		8		Data Project	6
8	+ Interactive Front End Development Total		12		Databases	4
9	+ Java Script Fundamentals Total		25		Django	10
10	+ Practical Python Total		9		Flask	4
11	+ Python Fundamentals Total		18		Full Stack Project	11
12	+ User Centric Front end Development Total		26		Git/ GitHub/ Gitpod	7
13	Grand Total		173		Heroku	1
14					HTML	13
15					HTML/ CSS Project	16
16					Jasmine	1
17					JavaScript	25
18					jQuery	4
19					Mongo	2
20					MySQL/ SQL	3
21					Python	23
22					UD/UI	5
23					Grand Total	173

MS2 DTB and Print out

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	A	B	C
1	Course Structure		
2			
3	n = fsd_theory-p	fsd_module	fsd_module_section
4	1 theory	HTML fundamentals	HTML Document
5	2 theory	HTML fundamentals	HTML Structural Element
6	3 theory	HTML fundamentals	Headings
7	4 theory	HTML fundamentals	Paragraphs
8	5 theory	HTML fundamentals	Divs and Spans
9	6 theory	HTML fundamentals	Comments
10	7 theory	HTML fundamentals	Attributes
11	8 theory	HTML fundamentals	Links
12	9 theory	HTML fundamentals	Lists
13	10 theory	HTML fundamentals	Images
14	11 theory	HTML fundamentals	Forms
15	12 theory	HTML fundamentals	Forms Semantics and Validation