



New Media Design & Development I
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DISCOVER

BRIEF

Client, *Libraries of Zagreb*, wants a new and improved way of enabling readers to discover and read book. With this application, users will be able to look for desired books without the need to go to the library itself. This will ensure faster and more efficient way of borrowing books. Currently, there is nothing of the sort in Zagreb and with this application, client will be in advantage among other libraries. To start, we will need to look for similar "Search" applications to discover how and on what principle are they working. Next, we will use open data from data.zagreb.hr to create all the necessary data for our application to work as precise as possible. In order to launch the application, the website will also be created in the same style to enable users to get the information via PC as well as Smartphones. Target audience are students and frequent readers, but also, kids and older people who love books, in one word, all the book-lovers in Zagreb. Time table for this project is simple and consists of 3 milestones: 1. Creative Idea, 2. Visual design, 3. Development; with the due date on 23.12.2016. There is no talk of the budget since this is a college assignment so we do not have to talk about it at all.

DEFINE

ANALYSE

To start with this project, we need to do all the necessary research, including target audience, competition, and find applications that can we use as a example or inspiration. Since the application is basically a search engine for book for the Libraries of Zagreb, all the data is aquired via open datasets provided by city Zagreb and it's libraries. Our job is to implement the data in one application using JavaScript, JSON, SCSS, HTML, Jekyll and other tools for our development part while for the design part we will be using Adobe Illustrator, Photoshop, InDesign. First, we have to decide on the structure and connection of the data before we start working on the content and in the end, design. When all the design is finished and approved by profesors we can start on the development part of the project. With everything nicely conected and implemented, we will be ready to present our work to the profesors.

DEFINE

PERSONA SHEETS



Basic information

Name	John
Surname	Jones
Age	76
City	Zagreb
Income	7000 kn
Device	PC
Status	Merried

Description

John is 76 years old and lives in the center of Zagreb. He is retired so he spends most of his time with his grandchildren or in his garden. In the evening, John prefers to sit down in his armchair and enjoy a good book. Since he is not that young constant walks to the library and back bacame very tiring. John prefers using PC but has a smartphone just because his son bought him one.

One day, one of his grandchildren told him about this new app where he can view all the book that are currently in the city libraries without even leaving his home. Since John rarely uses smartphone, at first he has his doubts about the usefulness of this application. But when he discovers how easy and user-friendly it is, John starts to use it more an more. He really likes the fact that the app shows him the exact status of a book and also, when does he need to return the book that are currently in his possession. Also, there is website of he app so he can see and search for his books there as well.

Goals

- Get to know where and when can he borrow a book
- Find a information quick and easy
- Be able to do connect to PC

Frustrations

- Confusing and small icons
- Not enough information
- Walking to a library just to discover that there are no copies of the book left

Usage

PC	basic
Internet	basic
Smartphone	poor

***“There is always time
for a good book!”***

DEFINE

PERSONA SHEETS



Basic information

Name	Jack
Surname	Teach
Age	22
City	Zagreb
Income	3000 kn
Device	Smartphone
Status	Single

Description

Jack is a exchange student from London and he moved to Zagreb one year ago to study philosophy. Since he's been in Zagreb he moved from five different apartments so he is quite a adventures type. He is constantly on the move and doesn't have time to be at one place for long. In his free time he likes to travel as much as possible. So in his travels he has a lot time to read while traveling by bus or train.

His first encounter with the app was via his friend who recommended it to him since he reads a lot and is often on the move. Jack loves the simplicity and how fast you can get to the desired information about the books. Since than, Jack no longer has to waste time on going to library to search for the books, now, he can do everything while he is on the bus or at the campus, without going on a library website or having to call to check the status of the books.

Goals

- Read book that he wants
- Save as much time as possible
- Do everything on the go

Frustrations

- Shortage of usefull apps
- Waiting in line
- Going to library

Usage

PC	great
Internet	great
Smartphone	great

“Life is to short to be stuck in the line in the library!”

DEFINE

PERSONA SHEETS



Description

Sofie is a young successful woman in a lawyer office. Since her work takes a big part of her day, that little time that she has left she spends on her boyfriend or relaxing by the window with the book in her hands. She often reads work related books so she can be more productive and better at her job.

Basic information

Name	Sofie
Surname	Sartor
Age	29
City	Zagreb
Income	25000 kn
Device	Tablet
Status	In Relationship

Due to her long hours at work, she seldom has time to go to library and search for a book. The websites are too confusing or poorly designed. With the app, she doesn't need to spend so much time on searching and can focus on more important things in life. Also, she tries to convince her boyfriend to start reading so she likes the wide variety of genres present in the app.

Goals

- Spend as less as possible time on book searching
- Good and up-to-date application
- Find the nearest library

Frustrations

- Waiting for a book to be available
- Bad design of application
- Wasting time on registration

Usage

PC	great
Internet	great
Smartphone	great

"Sometimes, a good book is exactly what you need!"

IDEABOARD

1. Ideaboard

Books

Peace and Quiet

Relax

Reading



Simple

Light

Books

Flat

Clean

Smart

Modern

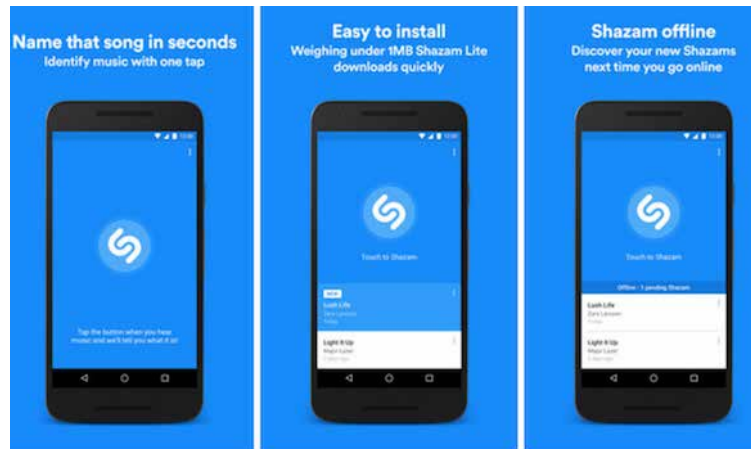
Search

Zagreb

DEFINE

MOODBOARD

2. Moodboard



ROBOTO

Title

Body

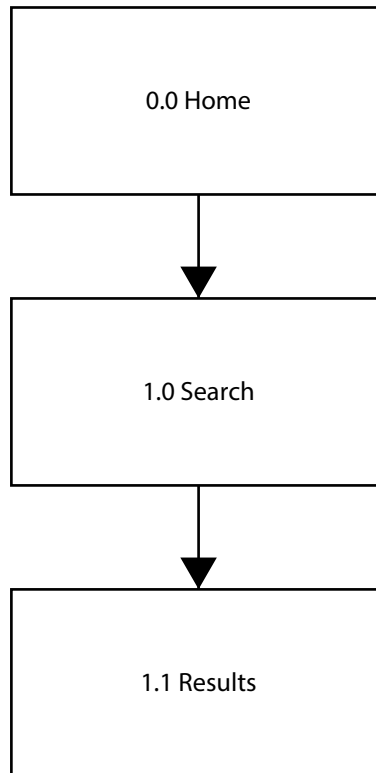
Accent



DESIGN

SITEMAP

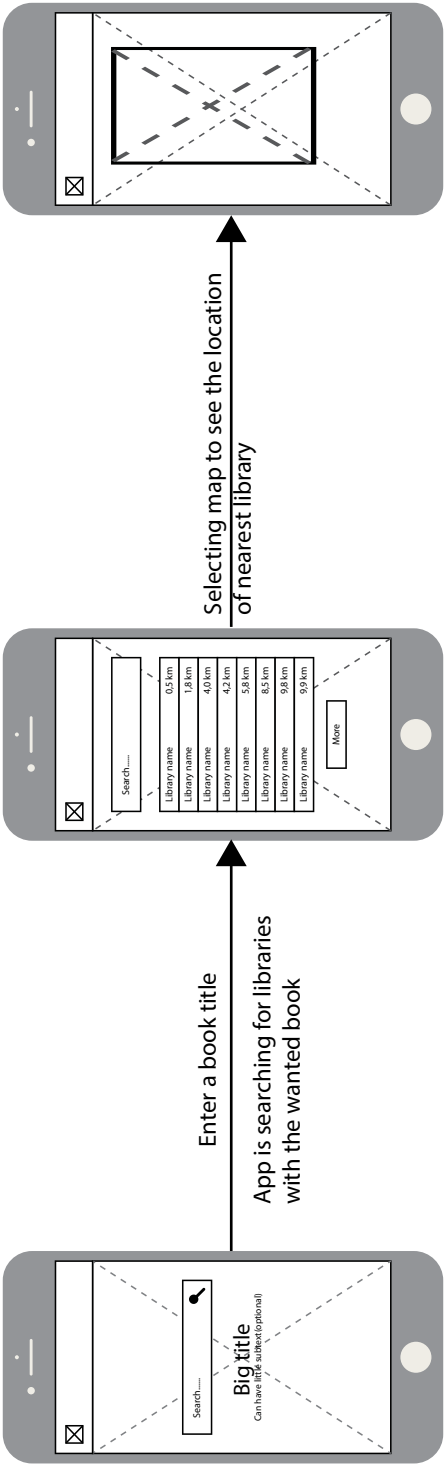
3. Sitemap



DESIGN

WIREFLOW

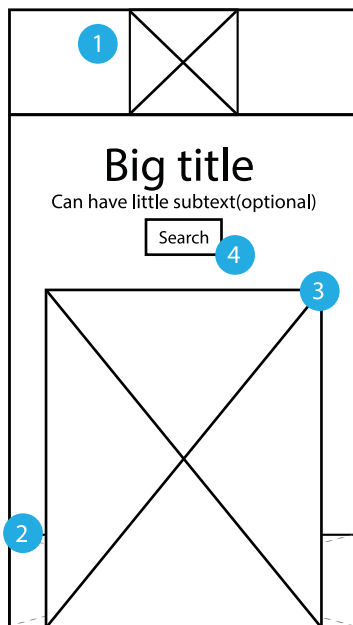
4. Wireflow



DESIGN

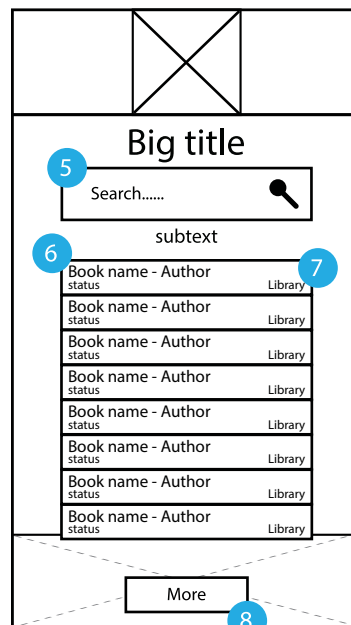
WIREFRAME MOBILE

- 5.1. Mobile Homepage
- 5.2. Mobile Search page
- 5.3. Mobile Map



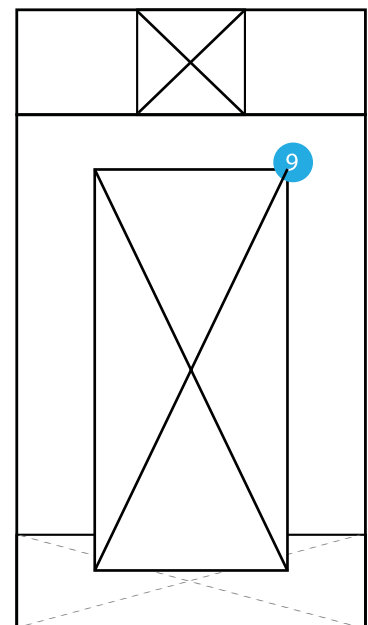
5.1.

- 1 Logo
- 2 Background pattern
- 3 Image (app mockup)
- 4 Search button



5.2.

- 5 Search engine
- 6 Results of the search
- 7 Link to library website
- 8 Button for showing more results



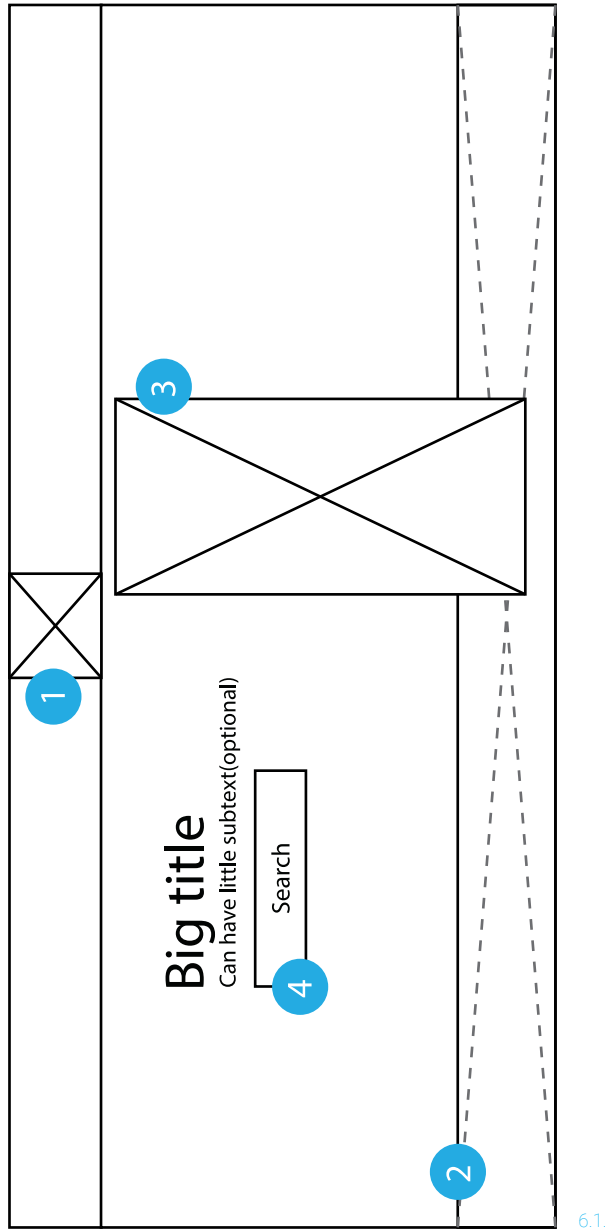
5.3.

- 9 Map

DESIGN

WIREFRAME DESKTOP

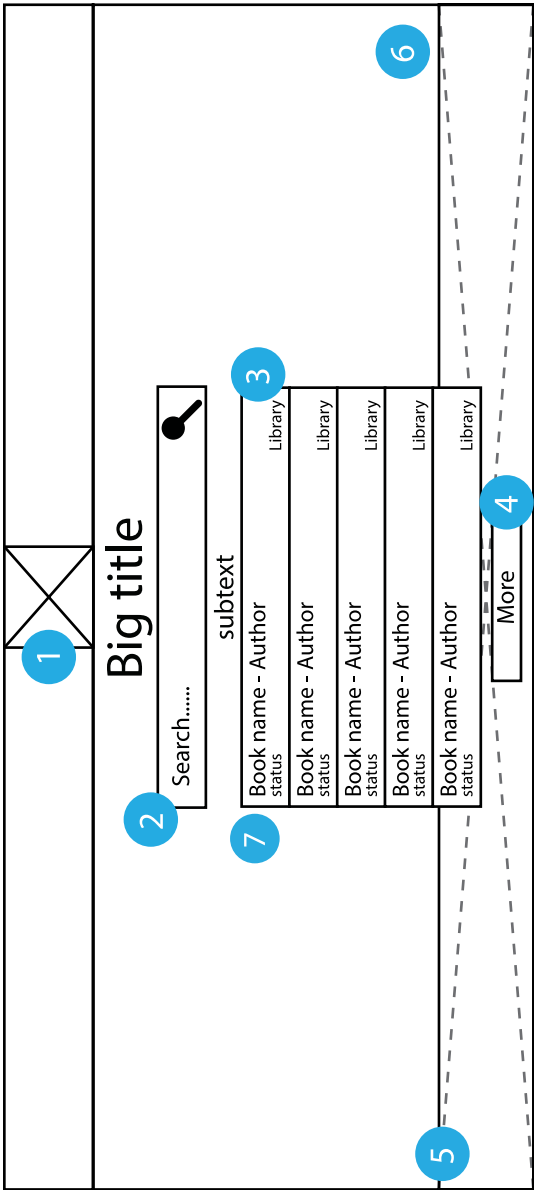
6.1. Desktop homepage



- 1 Logo
- 2 Background pattern
- 3 Image (app mockup)
- 4 Search button

WIREFRAME DESKTOP

6.2. Desktop
Search page



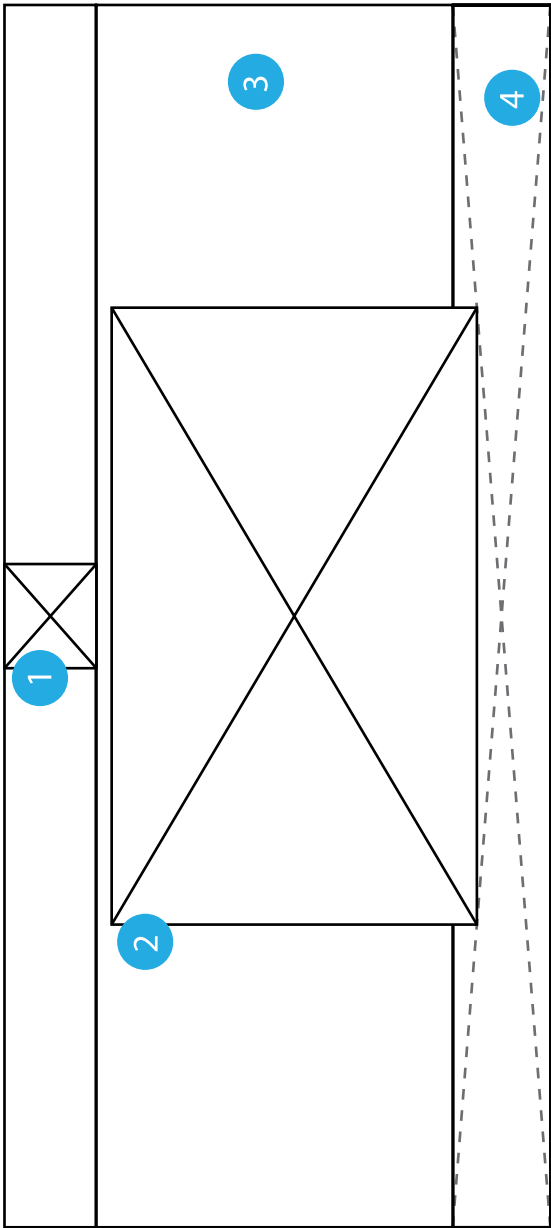
6.2

- 1 Logo
- 2 Search bar
- 3 Link to library website
- 4 Button for more results
- 5 Background pattern
- 6 Background (solid color)
- 7 Results

DESIGN

WIREFRAME DESKTOP

6.3. Desktop
Map









6.3.

- 1 Logo
- 2 Map
- 3 Background (solid color)
- 4 Background pattern

DESIGN

STYLE TILES

Colors

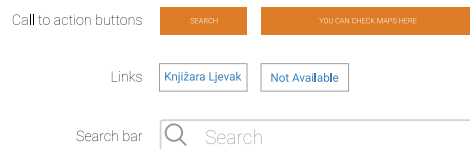
	Main Blue R 55 G 128 B 187 #3780BB		White R 255 G 255 B 255 #FFFFFF
	Orange R 223 G 126 B 39 #DF7E27		Black R 27 G 28 B 25 #1B1C19
	Main Gray R 145 G 145 B 145 #919191		Second Gray R 209 G 211 B 212 #D1D3D4

Icons & links



Illustrations

Controls, buttons & actions



Typography

Title Roboto Regular - 36pt #FFFFFF

Subtitle Roboto Regular - 28 pt #FFFFFF

Buttons Roboto Regular - 16 pt #FFFFFF

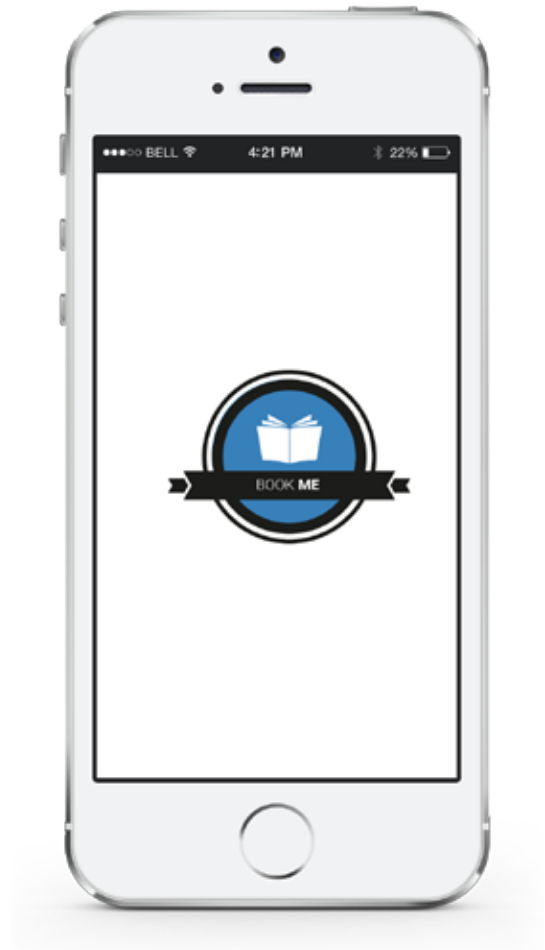
Subtext Roboto Regular - 16 pt #FFFFFF

Author Roboto Regular - 14 pt #000000

Book title Roboto Regular - 12 pt #000000

Link Roboto Regular - 10 pt #3B80B8

Status Roboto Regular - 8 pt #000000



DESIGN

VISUAL DESIGN - MOBILE HOMEPAGE

7.1. Visual design
Mobile Homepage

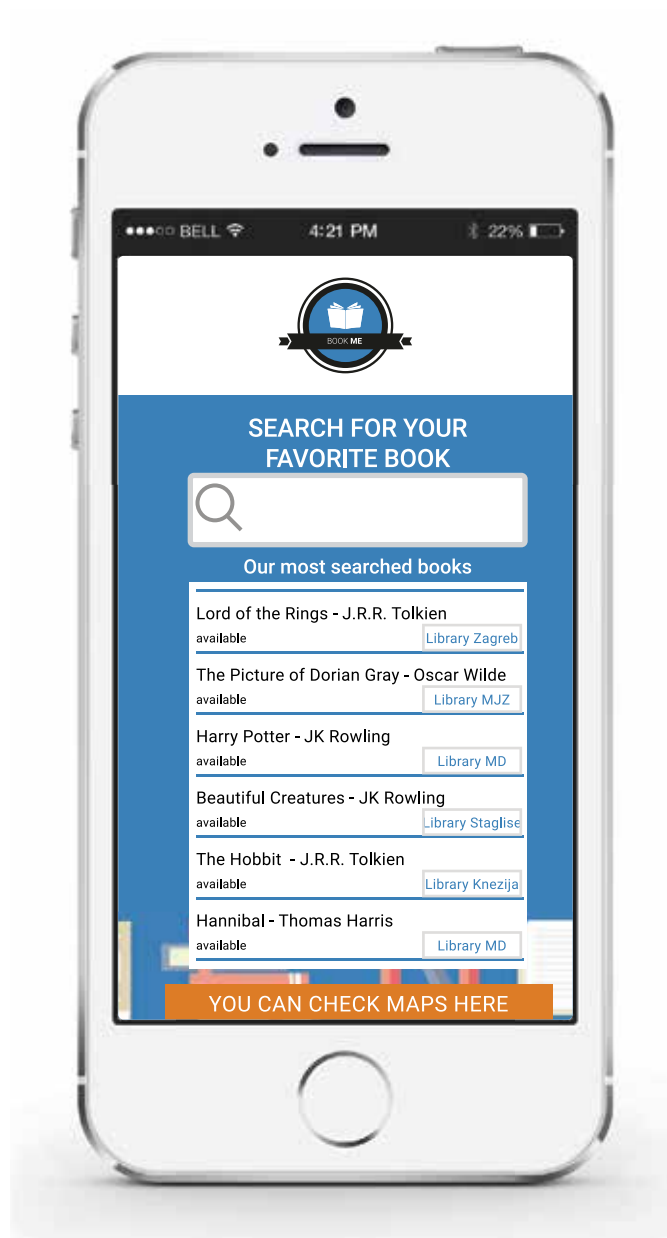


7.1.

DESIGN

VISUAL DESIGN - MOBILE SEARCH PAGE

7.2. Visual design
Mobile Search page

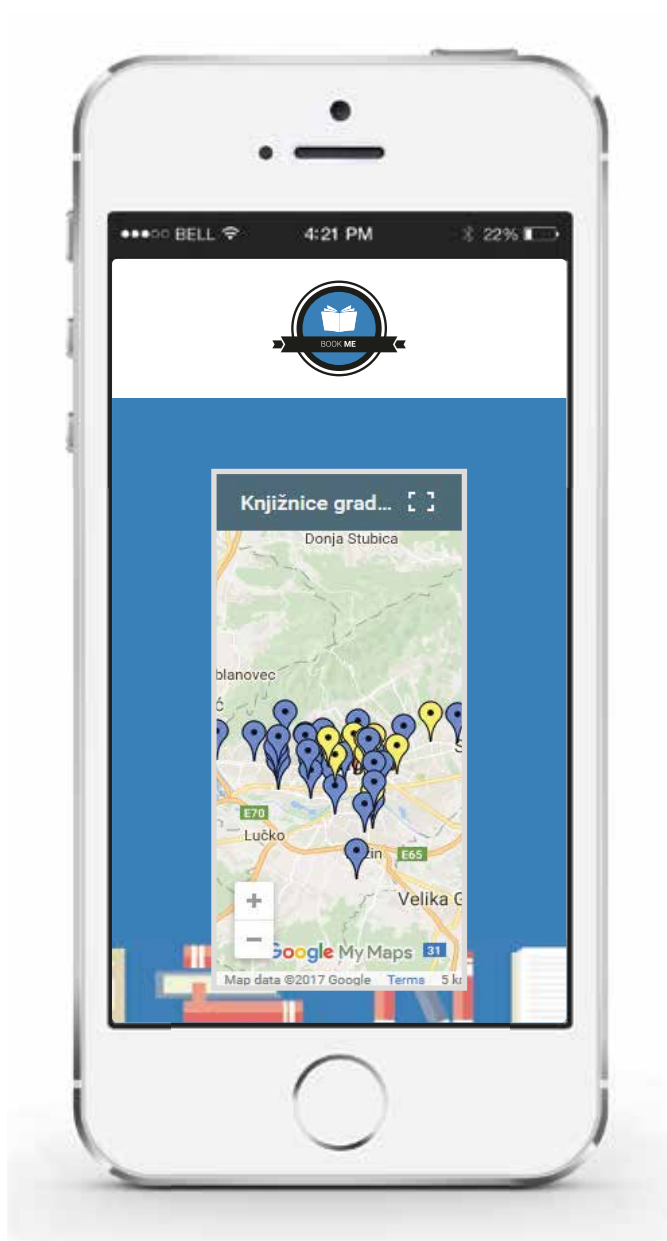


7.2.

DESIGN

VISUAL DESIGN - MOBILE MAP

7.3. Visual design
Mobile Map



7.3.

DESIGN

VISUAL DESIGN - DESKTOP HOMEPAGE

8.1. Visual design
Desktop Homepage



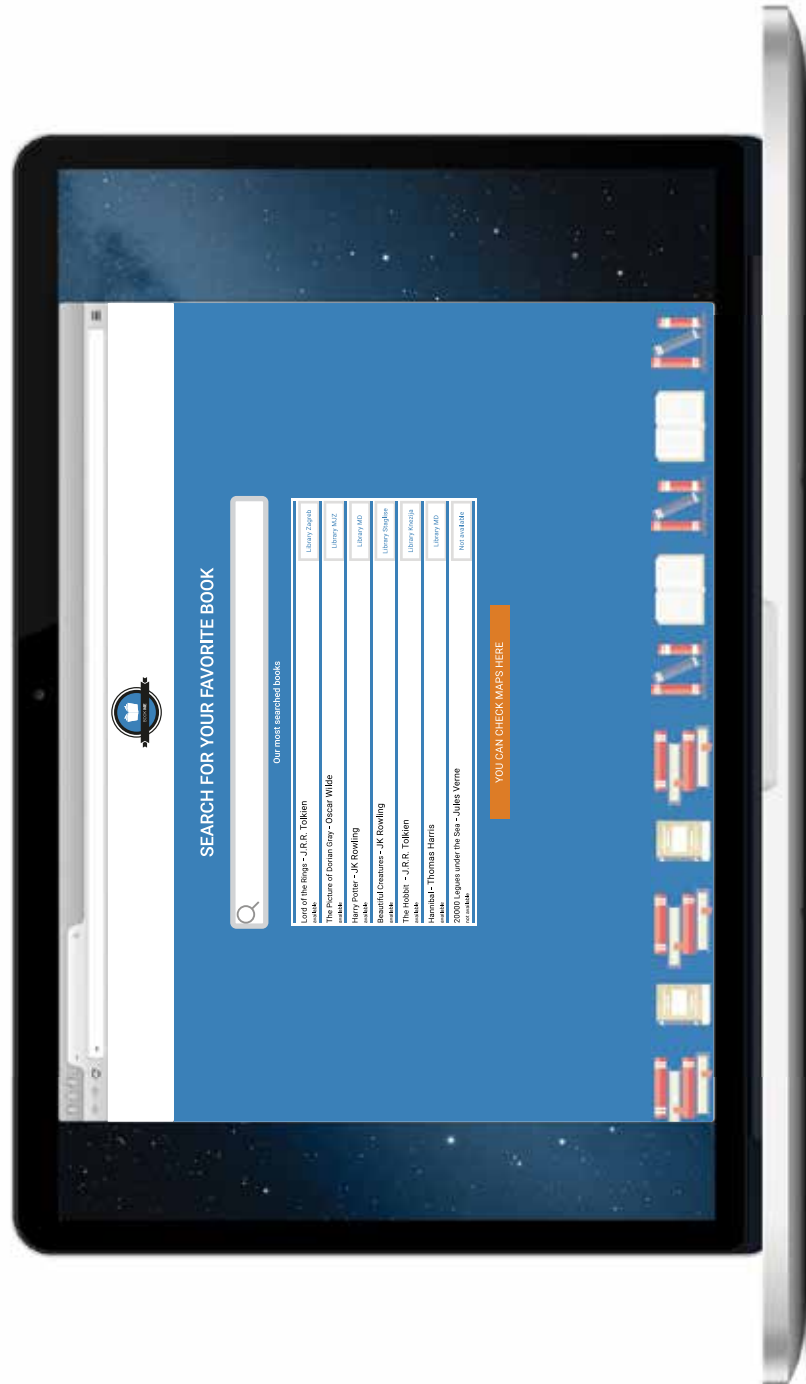
8.1.

DESIGN

VISUAL DESIGN - DESKTOP SEARCH PAGE

8.2. Visual design

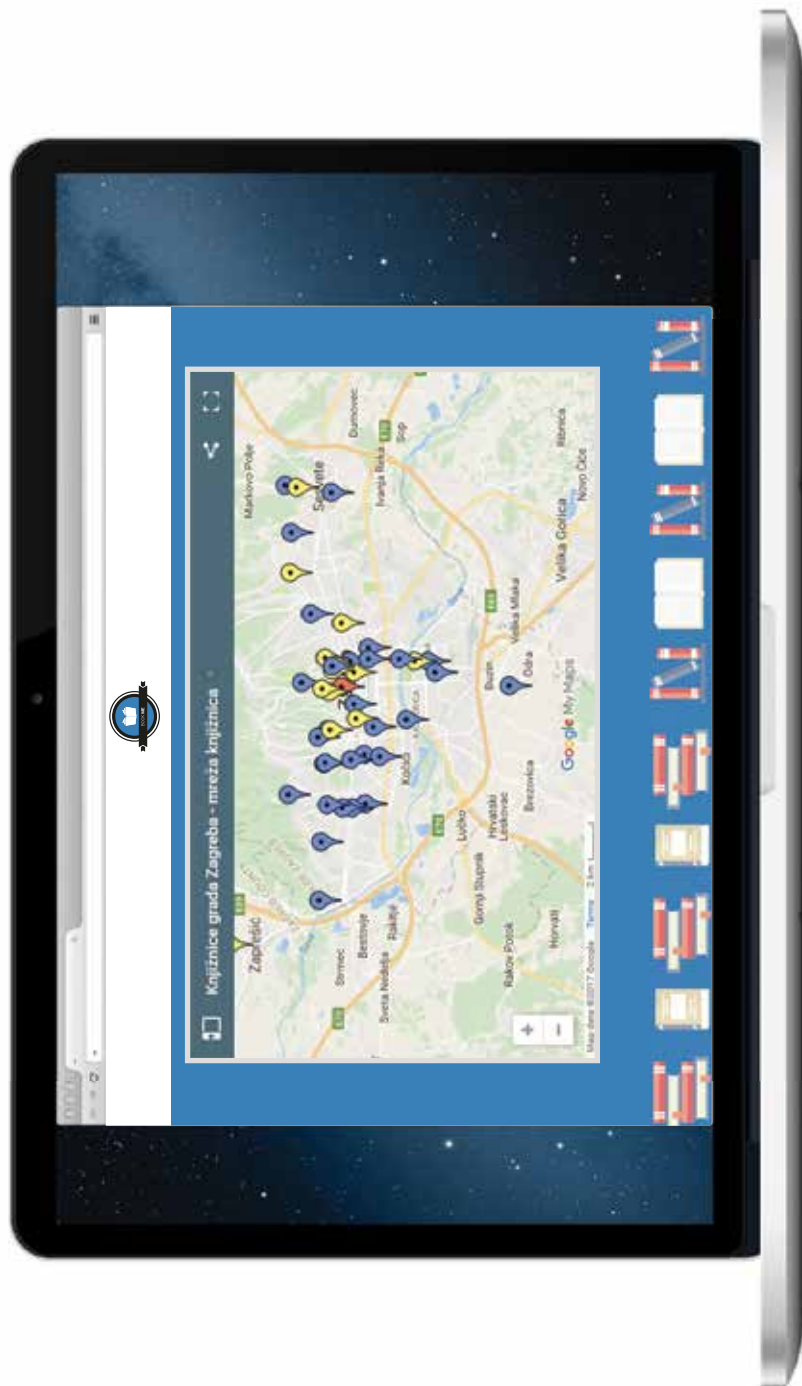
Desktop Search page



DESIGN

VISUAL DESIGN - DESKTOP

8.3. Visual design Desktop Map



8.3.

DEVELOPMENT

CONTENT

In our application, we used all the libraries in Zagreb with their location and created our own dataset. Since this application is about books and where to find them in Zagreb, we needed some extra information regarding books, for example; book title, author, library, location and status of the book in specific library. All the data was later implemented in JSON code for us to use. Using HTML we organized the content, CSS was used for the stylization and JavaScript was used for displaying the data we gathered inside the JSON code.

DEVELOPMENT

DATABASE

9. Database
[GitHub repository](#)

 andrradi BookMe 	Latest commit 06701e5 on 23 Dec 2016
 _includes	BookMe a month ago
 _layouts	BookMe a month ago
 css	BookMe a month ago
 .gitattributes	BookMe a month ago
 .gitignore	BookMe a month ago
 README.md	BookMe a month ago
 _config.yml	BookMe a month ago
 feed.xml	BookMe a month ago
 index.html	BookMe a month ago
 README.md	

DEVELOPMENT

CODE SNIPPITS

10.1. Code snippet
HTML

```
<body>

<div id="header">
  <div id="logo"> 
</div>

<div id="container">

  <div id="call">
    <h1> Search closest libraries in Zagreb </h1>
    <p> with our awesome app </p>
    <div id="button">
      <a href="searchresults.html"><p style="padding:5px;">SEARCH</p></a>
    </div>
  </div>

  <div id="images"> </div>
</div>
</body>
</html>
```

10.1.

DEVELOPMENT

CODE SNIPPITS

10.2. Code snippet
CSS

```
body{
    font-family: arial,helvetica;
    color: #3b80b8;
    overflow-x:hidden;
    background-color:#3b80b8;
}
h1{
    font-size: 2em;
    font-family:Roboto;
    color:white;
}
p{
    font-size: 1em;
    font-family:Roboto;
    font-weight:300;
    color:white;
}
#container{
    background-color:#3b80b8;
    width:100%;
    margin:auto;
    background-image:url('firstback.png');
    background-repeat:no-repeat;
    background-position:center bottom;
}
```

102.

DEVELOPMENT

CODE SNIPPITS

10.3. Code snippet
JavaScript

```
(function( $ ) {  
    'use strict';  
  
    $.fn.tableToJSON = function(opts) {  
        // Set options  
        var defaults = {  
            ignoreColumns: [],  
            onlyColumns: null,  
            ignoreHiddenRows: true,  
            ignoreEmptyRows: false,  
            headings: null,  
            allowHTML: false,  
            includeRowId: false,  
            textDataOverride: 'data-override',  
            textExtractor: null  
        };  
        opts = $.extend(defaults, opts);  
  
        var notNull = function(value) {  
            return value !== undefined && value !== null;  
        };  
  
        var ignoredColumn = function(index) {  
            if( notNull(opts.onlyColumns) ) {  
                return $.inArray(index, opts.onlyColumns) === -1;  
            }  
            return $.inArray(index, opts.ignoreColumns) !== -1;  
        };  
    };  
});
```

10.3.

DEVELOPMENT

CODE SNIPPITS

10.4. Code snippet JSON

```
var dir = [
  {
    dir: 'Lord of the Rings',
    mov: 'J.R.R. Tolkien',
    lib: '<a href="http://www.kgz.hr/hr/knjiznice/gradska-knjiznica/61" class="linkmali">Library Zagreb',
    ava: 'available'
  },
  {
    dir: 'The picture of Dorian gray',
    mov: 'Oscar Wilde',
    lib: '<a href="http://www.kgz.hr/hr/knjiznice/knjiznica-marije-juric-zagorke/78" class="linkmali">Library MJZ',
    ava: 'available'
  },
  {
    dir: 'Harry Potter',
    mov: 'JK Rowling',
    lib: '<a href="http://www.kgz.hr/hr" class="linkmali">Library MD',
    ava: 'available'
  },
  {
    dir: 'Beautiful Creatures',
    mov: 'JK Rowling',
    lib: '<a href="http://www.kgz.hr/hr/knjiznice/knjiznica-staglisce/88" class="linkmali">Library Staglisce',
    ava: 'available'
  },
  {
    dir: 'Hobbit',
    mov: 'J.R.R. Tolkien',
    lib: '<a href="http://www.kgz.hr/hr/knjiznice/knjiznica-knezijska/75" class="linkmali">Library Knezijska',
    ava: 'available'
  },
]
```

10.4.

DEVELOPMENT

SCREENSHOTS - MOBILE

11.1. Screenshot
Mobile Homepage

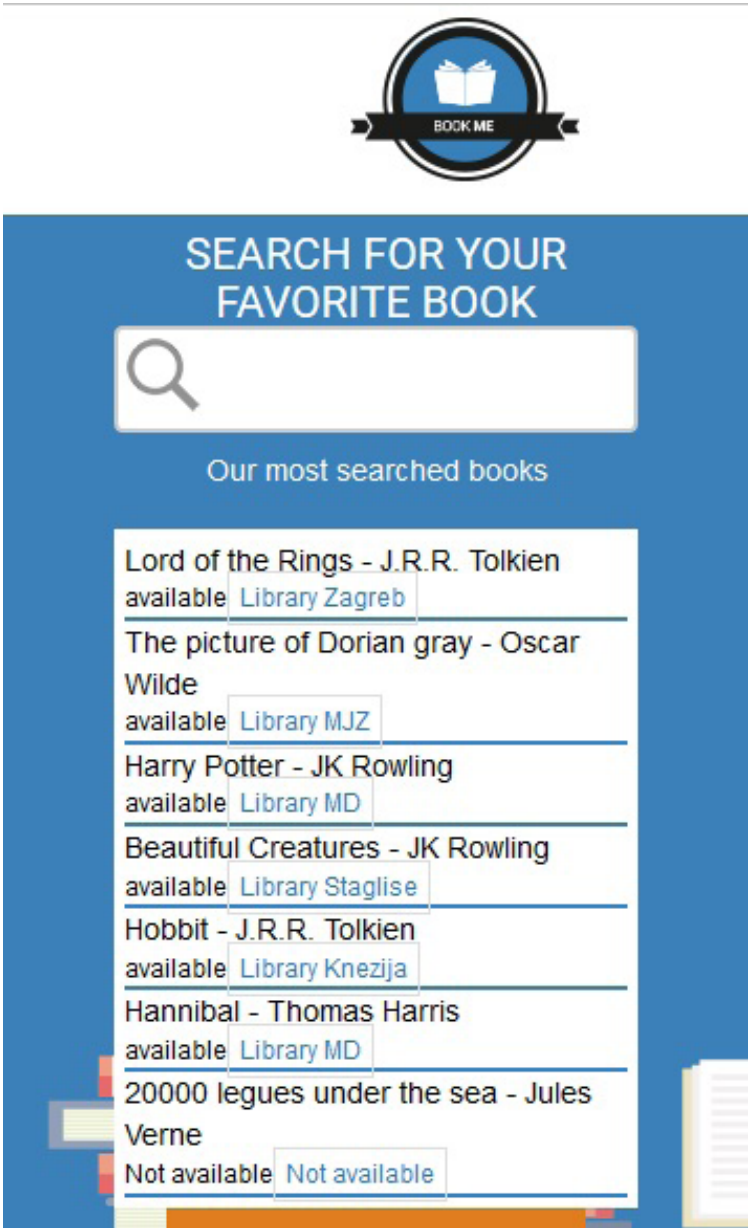


11.1.

DEVELOPMENT

SCREENSHOTS - MOBILE

11.2. Screenshot
Mobile Search page

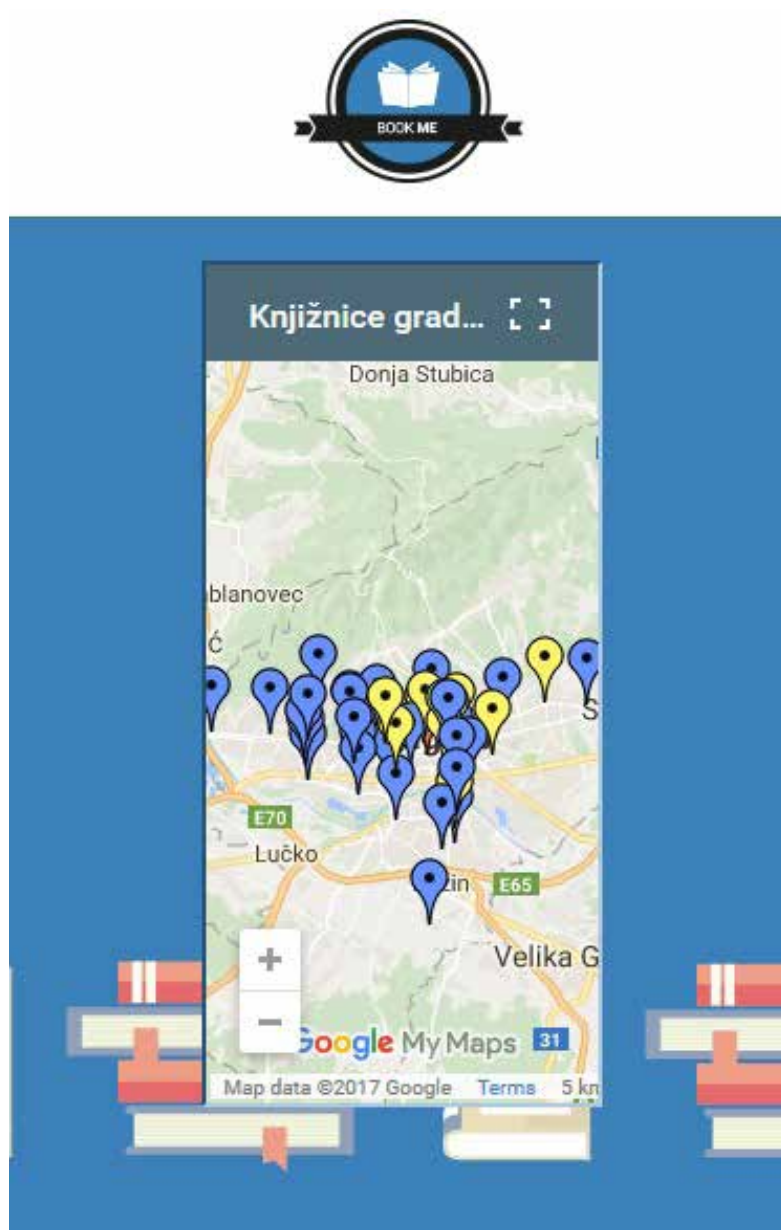


11.2.

DEVELOPMENT

SCREENSHOTS - MOBILE

11.3. Screenshot
Mobile Map

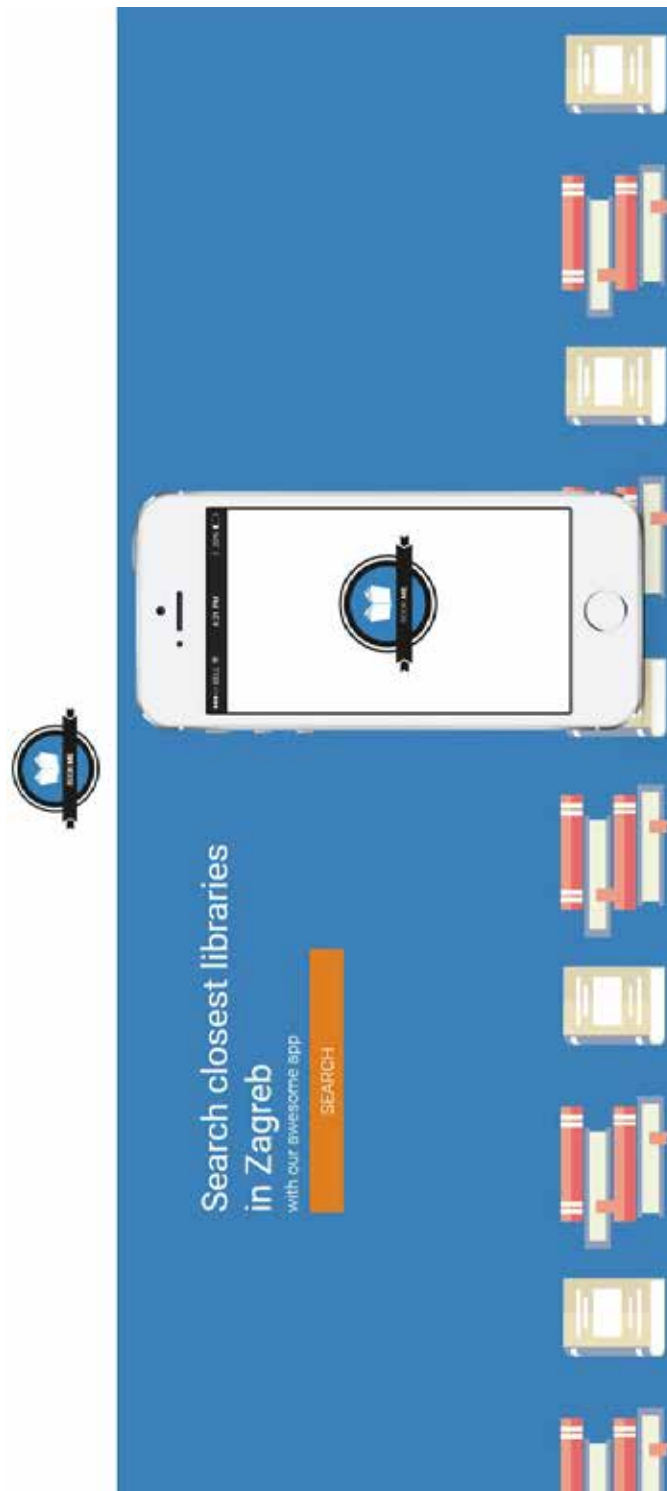


11.3.

DEVELOPMENT

SCREENSHOTS - DESKTOP

11.4. Screenshot
Desktop Homepage



11.4.

DEVELOPMENT

SCREENSHOTS - DESKTOP

11.5. Screenshot
Desktop Search page



11.5.

DEVELOPMENT

SCREENSHOTS - DESKTOP

11.6. Screenshot
Desktop Map



11.6.

