Al-Imam University
Computer Science Department
College Computer and Information
Science

بهاء

Baha'a

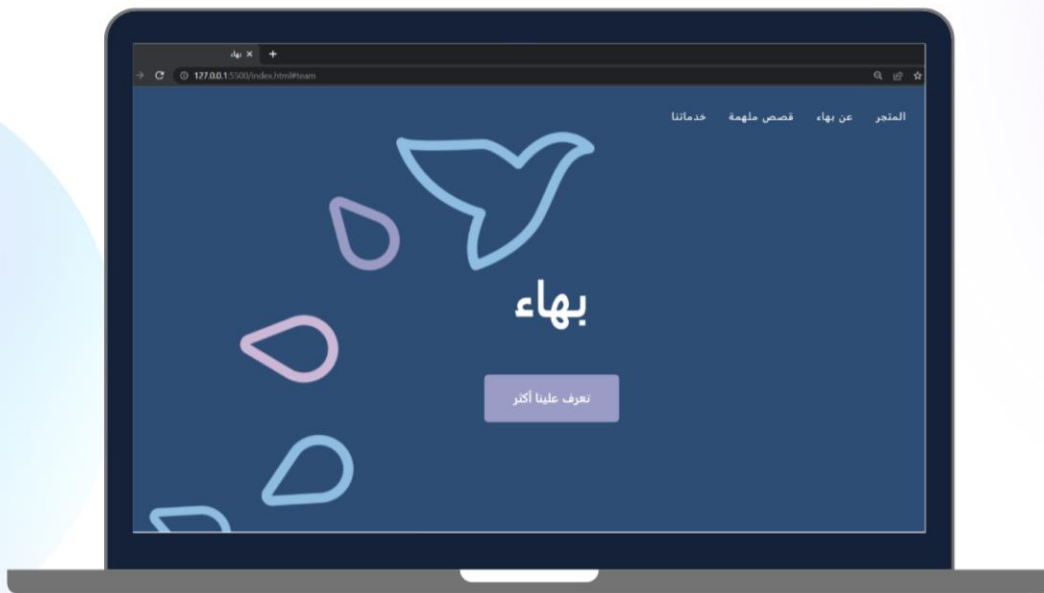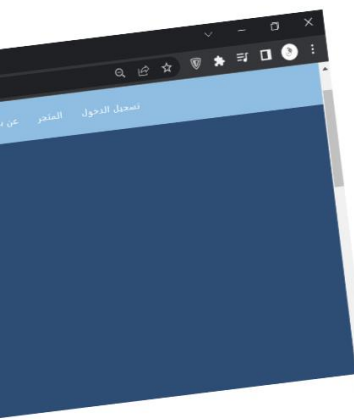| id	name
440028560	Sara Ibrahim Almashharawi
440018784	Rawan Saad Alshalawi
439048994	Buthina Mohamed Alansary
440022381	Norah Ahmed Alsharhan

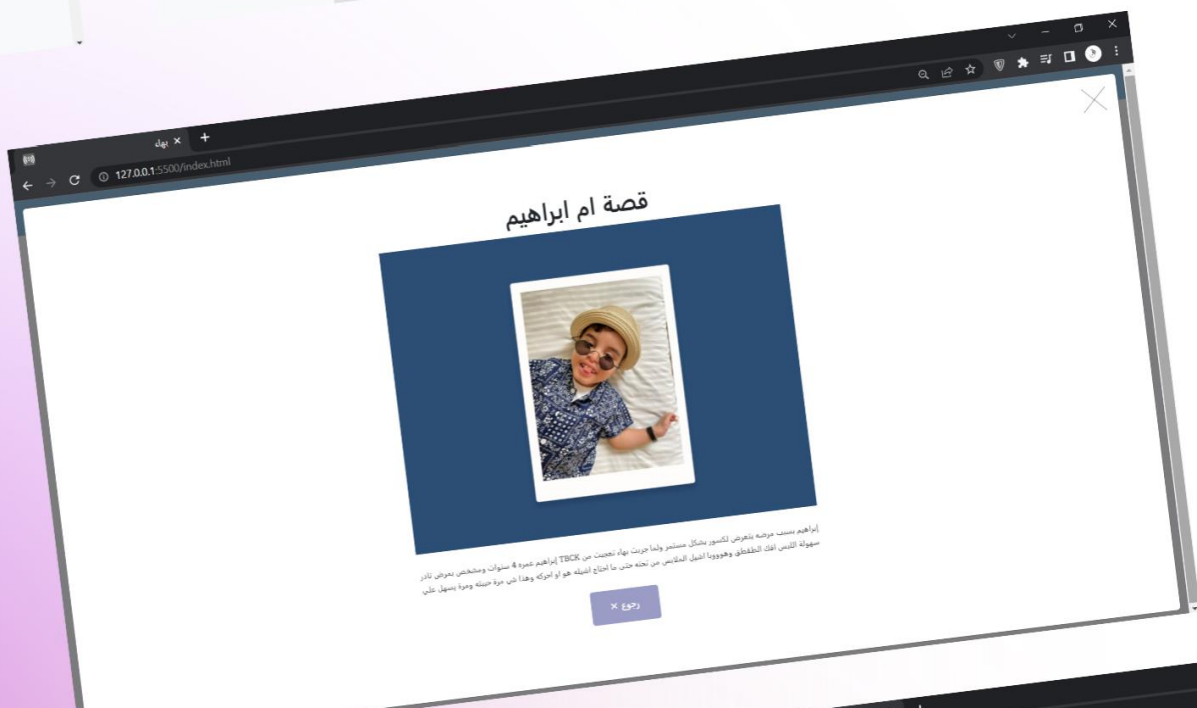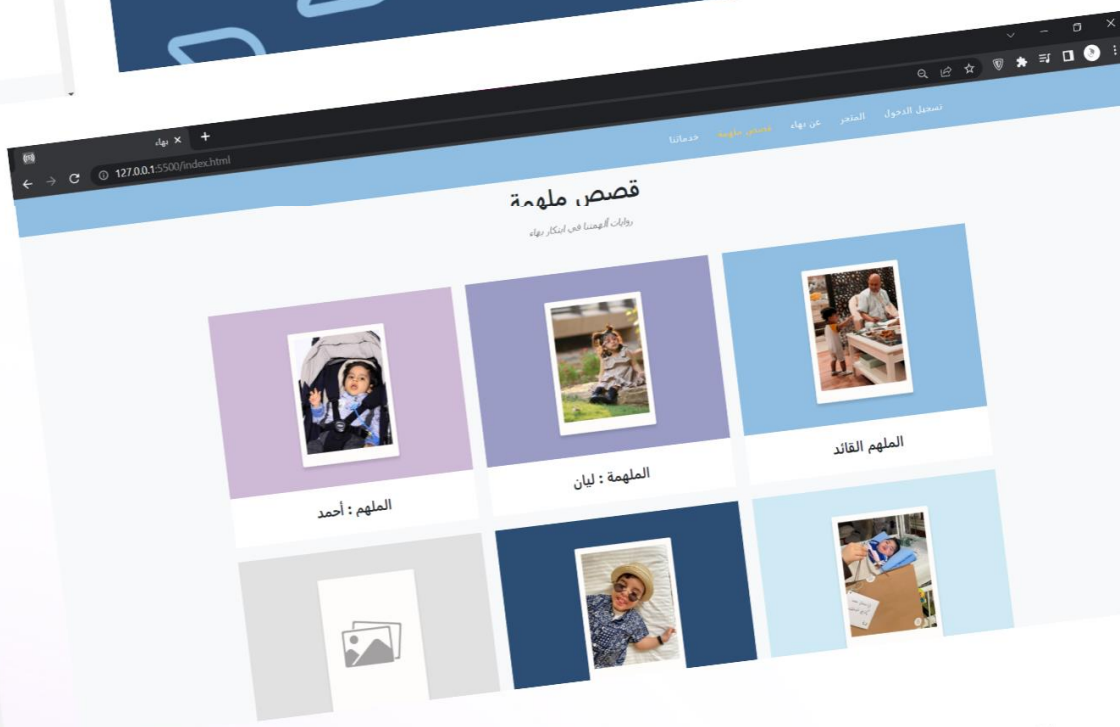Supervised by :**Basmah Alsouly**
June 6 , 2023

1. System Overview

Our system overview is a description of the services provided by Bahaa, a newly established social enterprise in Saudi Arabia that specializes in making specialized adaptive clothes for people with mobility disabilities. The purpose of our system is to provide a clear understanding of the services that Bahaa offers, including the customization options available to customers and the company's commitment to social inclusion and advocacy for people with disabilities.

The Bahaa website's home page is shown in figure

بهاء

تعرف علينا أكثر

فكرة البداية كانت وليدة الحاجة
اللباس يعبّر عن ما بداخل الشخص
بمظهر أنيق دون تع

قصص ملهمة

روايات ألهمتنا في ابتكار بهاء

الملهم : أحمد

الملهمة : ليان

الملهم القائد

قصة ام ابراهيم

إبراهيم مصاب بسبب مرضه يتعرض للكسور بشكل مستمر ولما جربت بهاء تعبنت من TBCK إبراهيم عمره 4 سنوات ومشخص بمرض نادر
سهولة اللبس افك الطفلي وهووويا انفك الملابس من نجته جدن ما اختاج لتبيله هو أو أحركه وهذا هي مرة حبنه ومرة بسهل علي

رجوع ×
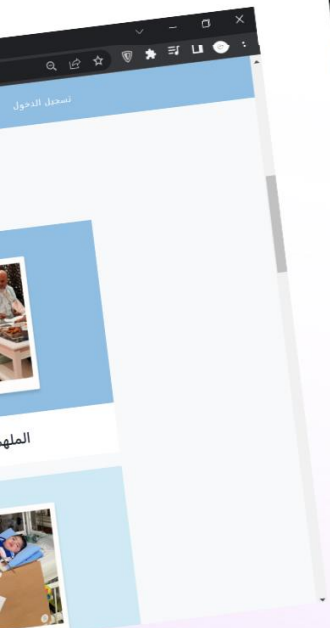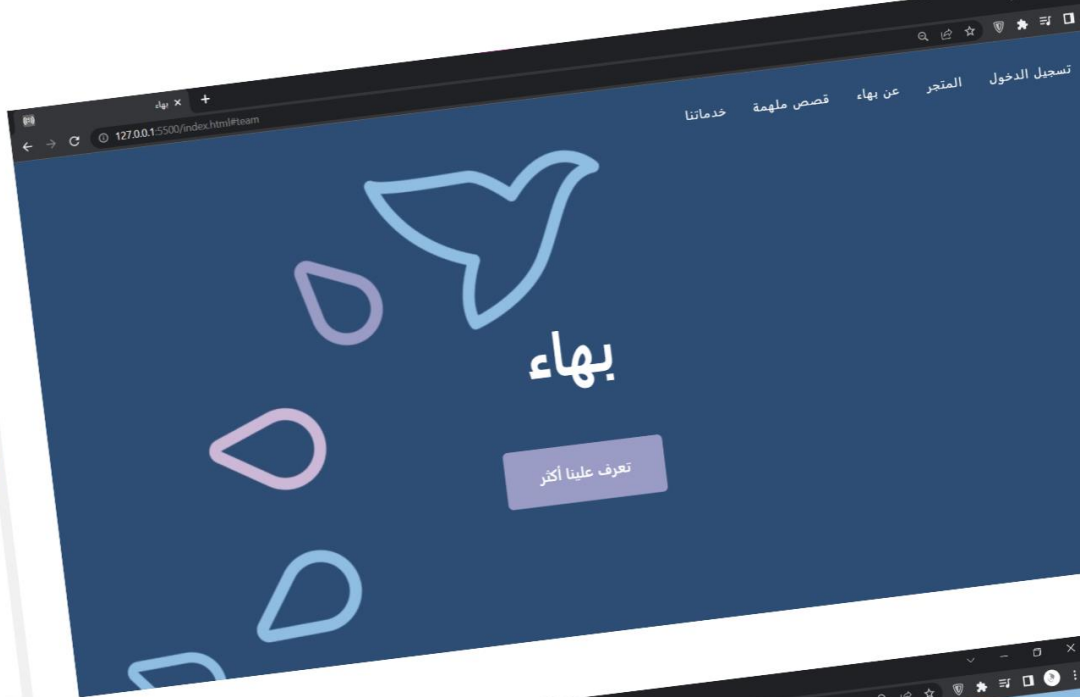
2. System Objective

The system objective is to build a dedicated website for Bahaa Brand that serves individuals with special needs. The website aims to provide several services, including consultations with specialists. Additionally, the website is connected to a specialized store that offers custom-designed clothing specifically tailored to meet the needs of individuals with special needs.

- Consultation Services: The system aims to provide specialized consultation services for individuals with special needs. Users can book appointments with specialists in fields related to special needs to receive appropriate advice and guidance.

-Specialized Store for Clothing: The system aims to provide a dedicated online store for selling clothing designed specifically for individuals with special needs. This includes providing tailored and carefully designed clothing to meet their individual needs, improving their comfort and appearance.

-Awareness and Education: The system aims to promote awareness and education about issues related to individuals with special needs in the field of clothing. This is achieved by providing comprehensive information about different types of special needs and the challenges they face, as well as sharing helpful resources and articles.

-Excellence and Comfort: The system strives to achieve excellence and comfort in the shopping experience for individuals with special needs. This is done through providing a user-friendly and flexible interface, as well as offering customization options for clothing based on individual needs.

-Integration and Confidence: The system aims to promote integration and build confidence among individuals with special needs. By providing tailored clothing and specialized services, the system seeks to empower individuals and enhance their sense of inclusion and self-assurance.
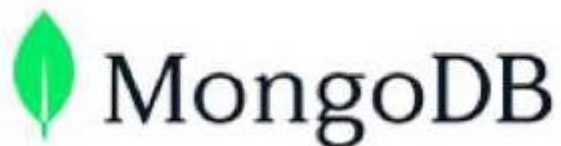
3. Underlying Technology

Bahaa website is implemented using HTML, CSS, JavaScript, and mongoDB. The HTML files is implemented using EJS, which is a simple templating language that generates HTML markup with plain JavaScript.

Design System

بهاء
Bahaa

Colors
Primaries and grays

#2D4D75	#8FBEE2	#D0EAF5	#9A9CC5	#CEBAD7

#212429	#495057	#ACB5BD	#DDE2E5	#F8F9FA
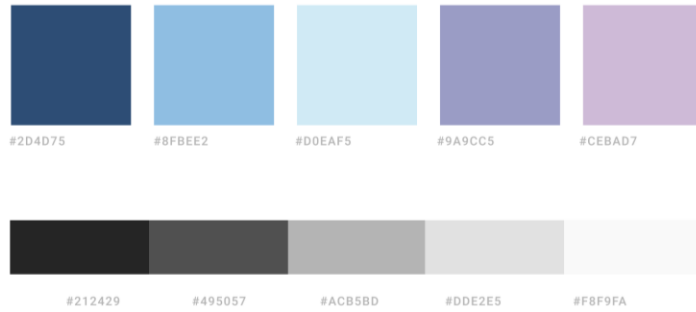
Typography
quicksand font set with the perfect-fourth modular type scale

https://fonts.google.com/specimen/Quicksand

H1	**Bahaa Brand**
H2	**Bahaa Brand**
H3	Bahaa Brand
H4	Bahaa Brand
H5	**BAHAA BRAND**
P	Bahaa Brand
SMALL	Bahaa Brand

Buttons

PRIMARY | ALTERNATIVE | SECONDARY

Label	Label	Label
Label	Label	Label
Label	Label	Label

Tabs

TABS

Tab Name	Tab Name

TAB BAR   **Tab One**   Tab Two   Tab Three   Tab Four   Tab Five

Forms

Label
Placeholder

Focus
Filled Input

Success
Success ✓

Error
Error ⚠

Select
Dropdown ⌄

Forms

Label

Placeholder

Focus

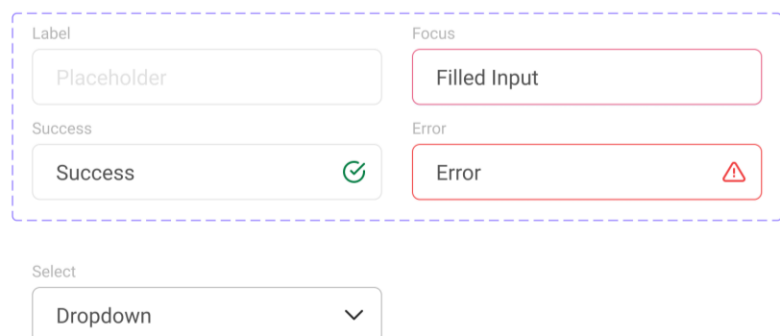Filled Input

Success

Success

Error

Error

Select

Dropdown

CHECKBOX

☐ Default

☑ Checked

☐ Disabled

RADIO BUTTON

○ Default

◉ Selected

○ Disabled

TOGGLE BUTTON

Off

On

Disabled

TOOL TIP

Helper Text

?

?

Helper Text

TAGS

1 OF 12   FAVORITE   CATEGORY   SHARED

Alerts

⚠ Error: Error Message   ✕

✓ Success: Success Message   ✕

🔔 Notification: Notification Message   ✕

Icons

Feather icons at 24px height and
width with 2px stroke weight

https://feathericons.com/

Spacing

The 8-pt grid. Using multiples of 8
to define dimensions, padding, and
margin of elements.

https://spec.fm/specifics/8-pt-grid

32PX

24PX

8PX

64PX

32PX

Bahaa Brand

BBBB

Bahaa Brand Bahaa Brand

32PX   32PX
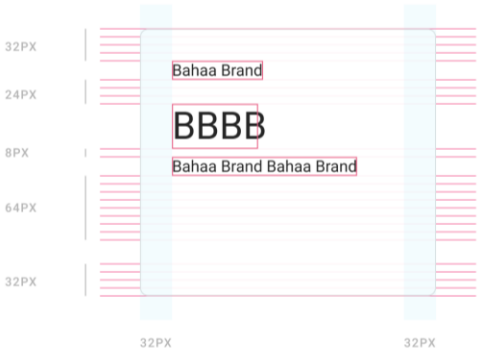
3.1 Frontend Technology

To create a cohesive and visually appealing front-end for Bahaa Brand, we utilize the following technologies and design principles:

3.1.1 HTML: *We employ HTML5 to structure the web pages of the Bahaa Brand website. This includes organizing the content, headings, paragraphs, images, and other elements in a meaningful and semantically correct manner.*

3.1.2 CSS: *CSS is utilized to style the web pages and achieve a consistent and attractive visual presentation for Bahaa Brand. We apply custom CSS styles to define colors, typography, spacing, and layout, ensuring a cohesive brand identity and a pleasant user experience.*

3.1.3 JavaScript: *JavaScript is used to enhance the interactivity and functionality of the Bahaa Brand website. We leverage JavaScript to implement dynamic features such as interactive forms, image sliders, and client-side validations, improving user engagement and usability.*

3.1.4 Bootstrap: *The Bootstrap framework is employed to streamline the front-end development process. It offers a collection of pre-designed responsive components, such as navigation menus, buttons, forms, and models, making it easier to create a visually appealing and mobile-friendly user interface. By leveraging Bootstrap's grid system, the layout of the web pages can be effectively organized and adapted to different screen sizes.*

By combining HTML, CSS, JavaScript, and Bootstrap, we create an engaging and user-friendly frontend interface that seamlessly integrates with the backend functionalities.

3.2 Backend Technology

3.2.1 Establishing the Server

To run a server, we use Express library which is used for routing and controlling the API. Also, we use body-parser to access the request body from routes and use the data.

3.2.2 Connecting to the Database

First, we import mongoose library to connect with mongoDB, then we create a user schema and specify the needed attributes, then export that schema. So, if a new user wants to register, he will be stored to the database by that schema.

3.2.3 User Login and Register

To register a new user, first we import the user schema, then create a user object containing related information accessed by the body.req. But before saving the user to the database, we hashed the password using bcrypt package.

For the login, we must bring the user information from body.req and the database then compare them with each other. This process is done using passport and passport-local packages. Then, a session with a secret key opened using express-session, and the user is forwarded to appointment_page which presents all the appointments for the user.

Whenever the user scroll between pages, we check if the user authenticated using req.isAuthenticated().

Furthermore, the user can logout and return to the main page using delete request, which provides req.logout().

- **4. System workflow**

data flow Architecture

Start Page

Sign up — No — Have an account? — Yes — Login

- Name
- E-mail
- Password
- Confirm password
- Specialization
- Experience

- E-mail
- Password

Sign up completed

Home

Main page component

- About Bahaa

- Inspirational stories
  - · Inspirational stories of the people who inspired us to create Bahaa Brand

- Get to know us more
  - · Beginning
  - · Message
  - · Vision
  - · What sets us apart

- Success Partners

- communication

- footer bar
  - · Social media accounts

Store

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5
- Item 6
- Item 7
- Item 8
- Item 9
- Item 10

consultants

- Appointment Booking
  - · Name
  - · E-mail
  - · Date

- consultants page
  - · All appointments registered for this consultant

- **5. References**
- https://youtube.com/playlist?list=PL7R1GUIXZffbYBVgyFIfyrXKR2fR5A3oI

- https://youtu.be/ILviQic0c8g

- https://themewagon.com/theme-price/free/page/2/?swoof=1&really_curr_tax=40-pa_price