



CCSW321 - WEB DEVELOPMENT

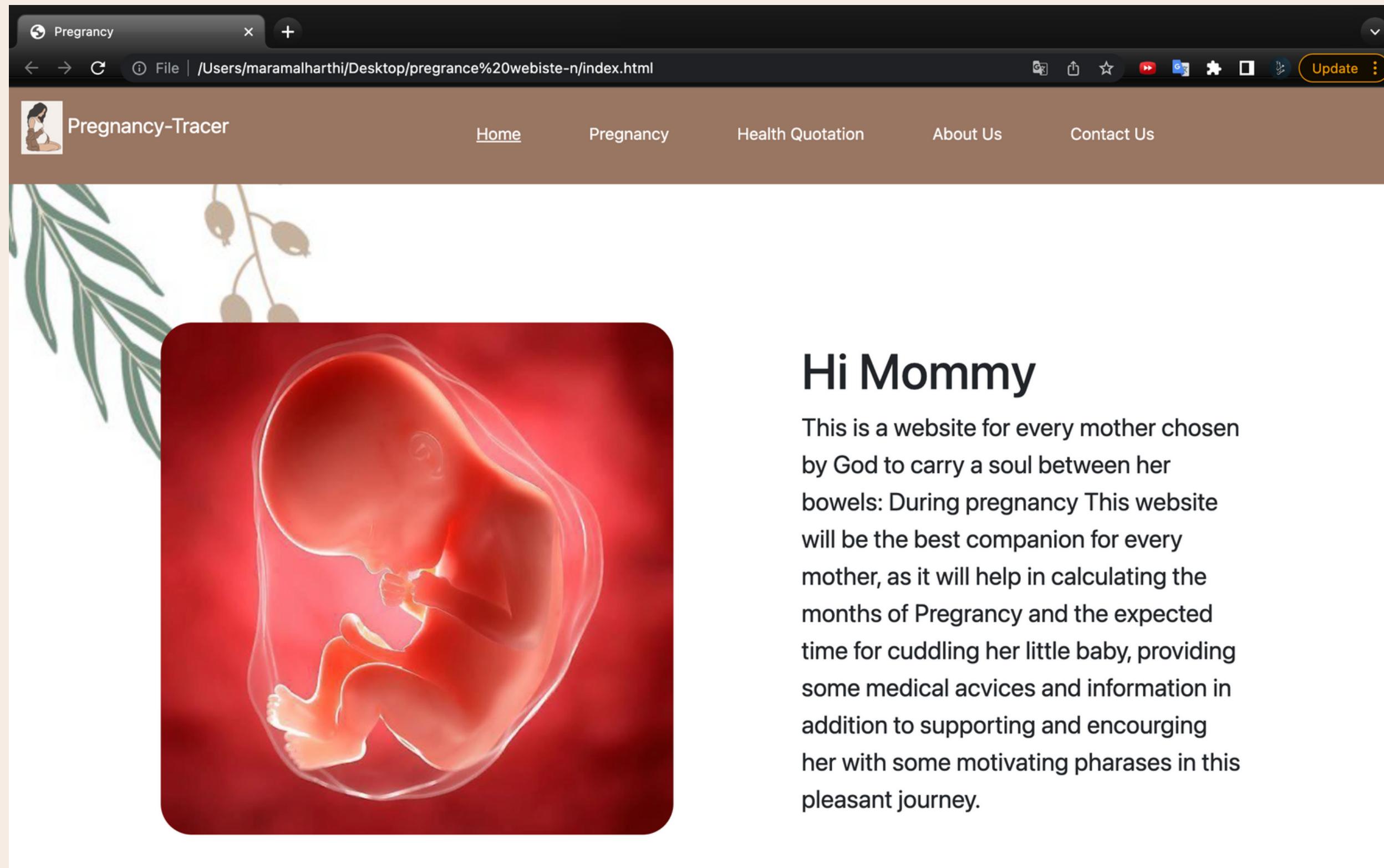
PRES E N T A T I O N

Hi Mommy

ABEER ALMALAWI 2006979
RAGHAD BIN ALI 2006601
MARAM ALHARTHI 2006492
RENAD ALADWANI 2005857



PROJECT IDEA :



The screenshot shows a web browser window with a dark theme. The title bar reads "Pregnancy-Tracer". The address bar shows the file path: "/Users/maramalharthi/Desktop/pregrance%20webiste-n/index.html". The main content area features a large image of a fetus in utero against a red background. To the left of the image is a green leafy branch. To the right, there is a section with the text "Hi Mommy" and a descriptive paragraph about the website's purpose. The top navigation bar includes links for "Home", "Pregnancy", "Health Quotation", "About Us", and "Contact Us".

Hi Mommy

This is a website for every mother chosen by God to carry a soul between her bowels: During pregnancy This website will be the best companion for every mother, as it will help in calculating the months of Pregnancy and the expected time for cuddling her little baby, providing some medical advices and information in addition to supporting and encouraging her with some motivating phrases in this pleasant journey.



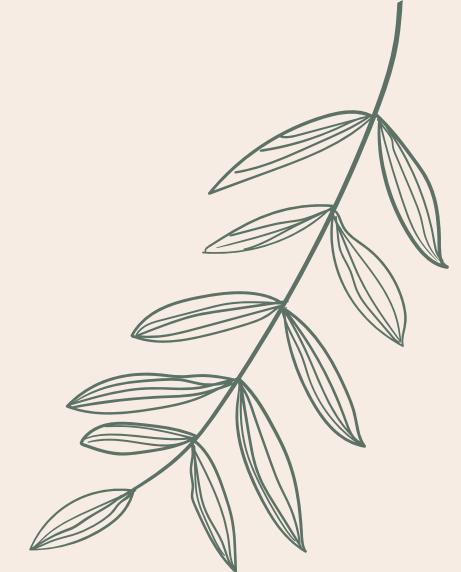
HTML AND CSS FILES:



```
✓ html
  <> aboutUs.html
  <> contactUs.html
  <> pregnancy.html
  <> quotation.html
  > icon
  > images
  ✓ js
    JS pregnancyCalculat...
    JS quotation-Script.js
    <> index.html
```

✓ css

```
# about-style.css
# contact-style.css
# pregnancy-style.css
# Question-style.css
# style.css
```



OVERVIEW OF HOME PAGE:

The screenshot shows the homepage of the "Pregnancy-Tracer" website. At the top, there's a navigation bar with links for Home, Pregnancy, Health Quotation, About Us, and Contact Us. Below the navigation is a large image of a fetus in the womb. To the right of the image, the text "Hi Mommy" is displayed, followed by a descriptive paragraph about the website's purpose: "This is a website for every mother chosen by God to carry a soul between her bowels: During pregnancy This website will be the best companion for every mother, as it will help in calculating the months of Pregnancy and the expected time for cuddling her little baby, providing some medical advices and information in addition to supporting and encouraging her with some motivating phrases in this pleasant journey."

The screenshot shows a calculator page for pregnancy details. It features input fields for "Enter Your Name:", "Last Menstrual Period:" (with a date picker), and "Period Life Cycle:". A prominent brown button labeled "Calculate!" is centered below these fields. Further down, there are fields for "Estimated Conception:", "Estimated Birth Date:", and "Estimated Fetal Age:". At the bottom left, there's a sidebar with "Resources" and links to "Home" and "Pregnancy Details". On the bottom right, there's an "About" section with a detailed description of the website's purpose.

Enter Your Name:

Last Menstrual Period: dd/mm/yyyy

Period Life Cycle:

Calculate!

Estimated Conception:

Estimated Birth Date:

Estimated Fetal Age:

Resources

[Home](#)
[Pregnancy Details](#)

About

This is a website for every mother chosen by God to carry a soul between her bowels: During pregnancy This website will be the best companion for every mother, as it will help in calculating the months of Pregnancy and the expected time for cuddling her little baby, providing some medical advices and information in addition to supporting and encouraging her with some motivating phrases in this pleasant journey.



OVERVIEW OF PREGNANCY PAGE:

Pregnancy-Tracer

Home Pregnancy Health Quotation About Us Contact Us

PREGRENCE TIME LINE

Did you know that the first month of pregnancy starts with the first day of your last period? By the time most people take an at-home pregnancy test (after you miss a period or right before it's supposed to start), you're typically considered around 4-5 weeks pregnant in the medical community.

01 02 03 04 05 06 07 08 09

Month 01
During the first month of your pregnancy, your eyelashes are still longer than your baby's, who is currently 2 mm. The neural tube is formed, which later turns into the brain and spinal cord, and cells grow from the middle layer that form your baby's ribs, spine, and muscles stomach later

baby Size

Month 02
Your baby has become the size of your thumb nail, his face does not appear clearly defined, but it is possible to distinguish the location of his face. From now on it is called the fetus, as its head becomes more like a human head. It develops a primary brain, neck, heart, and blood vessels connect him to the best mommy ever.

baby Size

Month 03
Your fetus is now about 3 cm long, which is about the size of your nose. The heart is working regularly now, fingers and toes appear, its spine makes its first move, its brain is growing and lungs are formed, at the end of this month all your baby's basic organs will be formed and most of them start working

baby Size

Pregnance

Month 04
The length of your fetus has reached about 9 cm. This is the main growth stage of your fetus. It grows in size, its organs mature, its hormones escape, its hair and eyebrows appear, and its heart beats vigorously. Your fetus can now hear the sound of your stomach digesting food, the sound of your heartbeat and even your voice outside.

baby Size

Month 05
The fifth month of pregnancy is the month of rapid growth. Your fetus is about 18 cm long, and its weight exceeds the weight of the placenta. It can hear sounds outside your body, making it jump sometimes and hit its hands and feet.

baby Size

Month 06
At this time, your fetus weighs nearly a kilogram, its fingers have become more clear and most importantly its ability to respond to you, whether to your voice or your movement.

baby Size

Pregnance

Month 07
Your fetus has increased in weight to 1800 grams, it now hears you accurately and responds to light, sound and pain.

baby Size

Month 08
The weight of the fetus became 2.2 kg, and he is still continuing to gain weight, which is not yet complete.

baby Size

Month 09
The weight of the fetus this month is between 3 and 3.5 kilograms, and its length is between 50 to 55 centimeters

baby Size

Resources
[Home](#)
[Pregnancy Details](#)

About
This is a website for every mother chosen by God to carry a soul between her bowels: During pregnancy This website will be the best companion for every mother, as it will help in calculating the months of Pregnancy and the expected time for cuddling her little baby, providing some medical advices and information in addition to supporting and encouraging her with some motivating phrases in this pleasant journey.



OVERVIEW OF HEALTH QUOTATIONS:

A screenshot of a web browser displaying a quote for pregnancy women. The page has a brown header with the logo "Pregnancy-Tracer" and navigation links: Home, Pregnancy, Health Quotation, About Us, and Contact Us. The main content area features a decorative background with a woman's profile and some leaves. The title "Healthy Quotation for Pregnancy Women" is displayed. Below it, a question "Are you in the first month of pregnancy?" is followed by a text block: "You will be qualified for this stage, which will be one of the most exciting stages of your life. You are really strong and your child is lucky to have a mother like you". There are left and right arrows at the bottom of the text block.

Resources

Home
Pregnancy Details

About

This is a website for every mother chosen by God to carry a soul between her bowels: During regnane This website wil be the best companion or every male twill help incatclating the mart of DEON and the expected time foreuddting ere baby, providing ome medical acvice

A screenshot of a web browser displaying a quote for pregnancy women. The layout is identical to the first screenshot, with the same header, title, and decorative background. The question "Are you in the second month of pregnancy?" is followed by the text: "Remember, sweet mom: your baby has given you the greatest gift of your life !". There are left and right arrows at the bottom of the text block.

Resources

Home
Pregnancy Details

About

This is a website for every mother chosen by God to carry a soul between her bowels: During regnane This website wil be the best companion or every male twill help incatclating the mart of DEON and the expected time foreuddting ere baby, providing ome medical acvice

OVERVIEW OF ABOUT US PAGE:

This screenshot shows the 'About Us' page of the 'Pregnancy-Tracer' website. The page has a brown header with the logo 'Pregnancy-Tracer' and navigation links for Home, Pregnancy, Health Quotation, About Us, and Contact Us. Below the header, there are two profile cards. The first card for 'Renad Aladwani' is labeled 'Back-End developer' with ID 2005857, and the second card for 'Raghad Bin Ali' is labeled 'Front-End developer' with ID 2006601. Both profiles include GitHub and Twitter icons.

Name	Role	ID	Accounts
Renad Aladwani	Back-End developer	2005857	GitHub Twitter
Raghad Bin Ali	Front-End developer	2006601	GitHub Twitter

This screenshot shows the 'About Us' page of the 'Pregnancy-Tracer' website. It features a sidebar with 'Resources' (Home, Pregnancy Details) and an 'About' section. The 'About' section contains two developer profiles. The first profile for 'Abeer Almalawi' is labeled 'Front-End developer' with ID 2006979, and the second profile for 'Maram Alharthi' is labeled 'Full-Stack developer' with ID 2006492. Both profiles include GitHub and Twitter icons. The background of the page features a subtle floral pattern.

Name	Role	ID	Accounts
Abeer Almalawi	Front-End developer	2006979	GitHub Twitter
Maram Alharthi	Full-Stack developer	2006492	GitHub Twitter

OVERVIEW OF CONTACT US PAGE:

The screenshot shows a contact form titled "Contact Us" on a web browser window. The form includes fields for First Name, Last Name, Gender (Male or Female), Birth Date (dd/mm/yyyy), Email, Phone, and a dropdown menu for "Choose a language" with "Arabic" selected. There is also a large text area for "Message". At the bottom of the form are two buttons: "Submit" and "view Record". The background of the page features a decorative illustration of a pregnant woman surrounded by green leaves and branches. The top navigation bar of the website includes links for Home, Pregnancy, Health Quotation, About Us, and Contact Us.

Contact Us

First Name
Last Name
Gender
Male
Female
Birth Date
dd/mm/yyyy
Email
Phone
Choose a language:
Arabic
Message

Submit

view Record

Resources

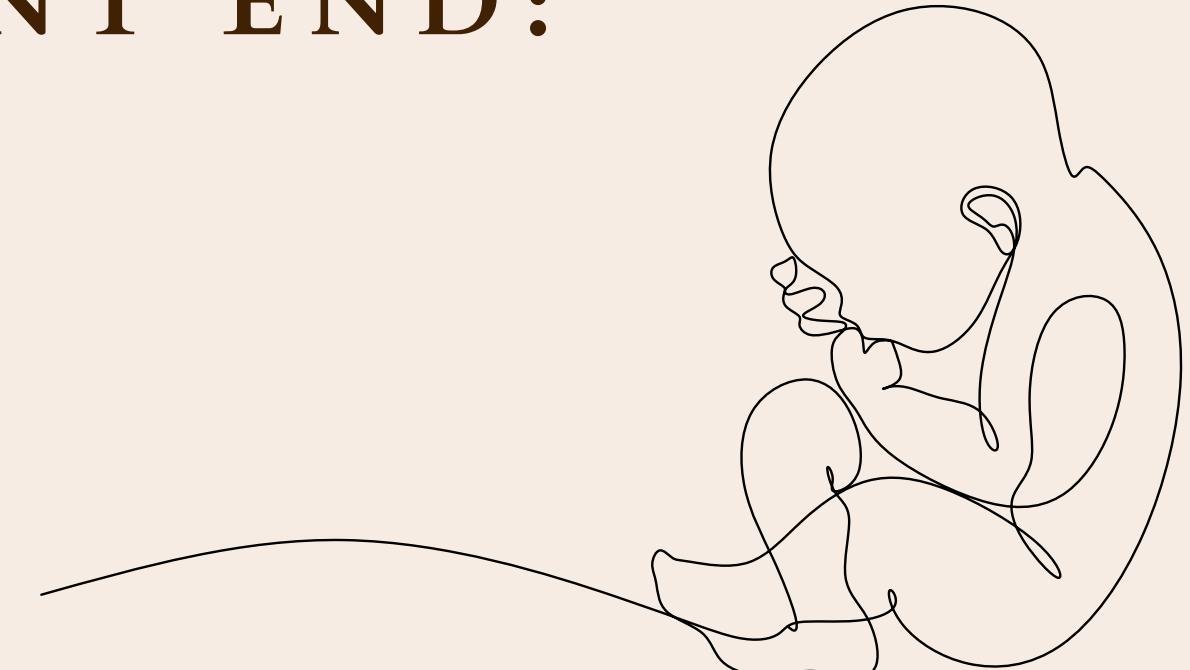
Home
Pregnancy Details

About

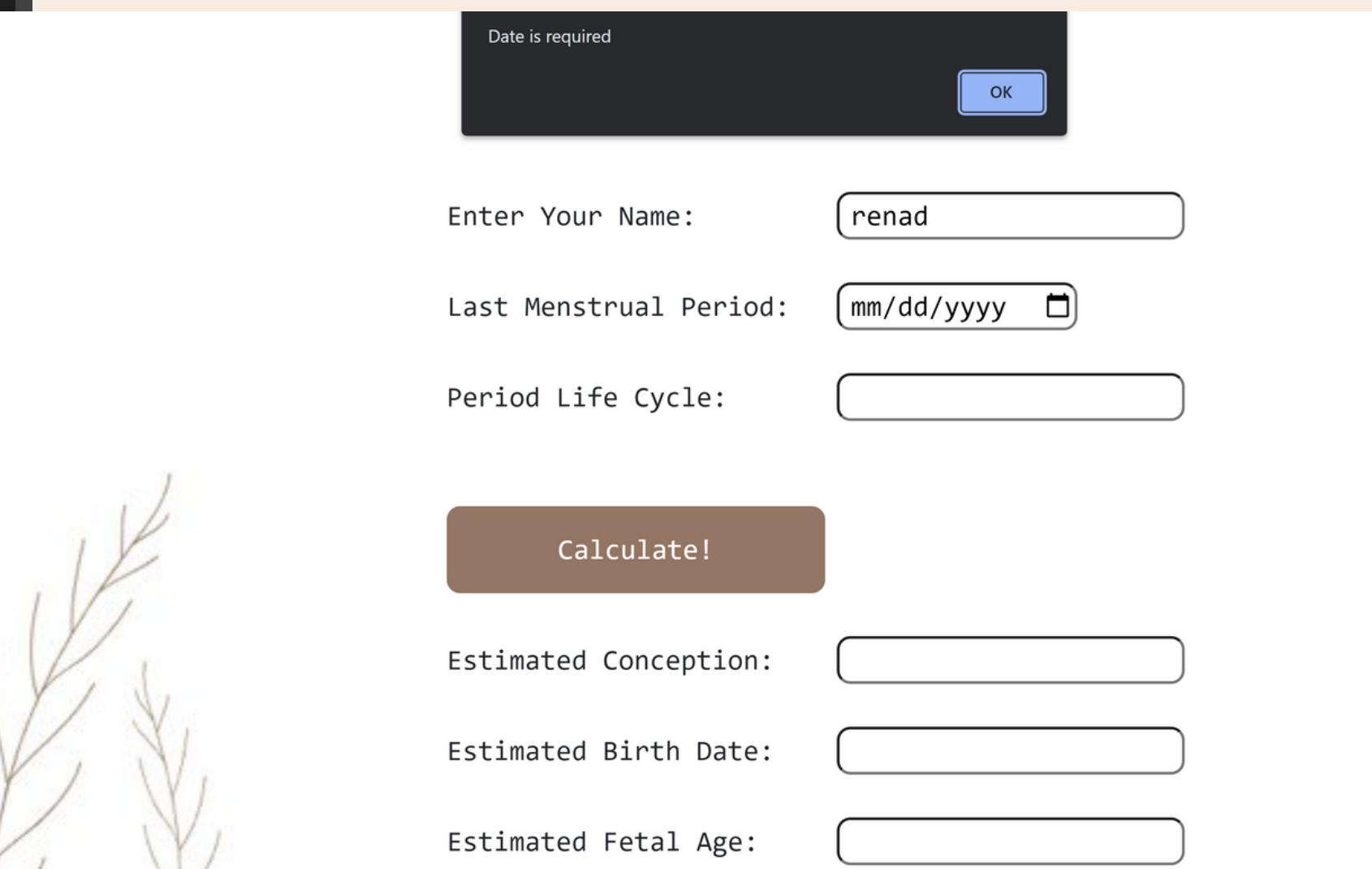
This is a website for every mother chosen by God to carry a soul between her bowels: During pregnancy This website will be the best companion for every mother, as it will help in calculating the months of Pregnancy and the expected time for cuddling her little baby, providing some medical advices and information in addition to supporting and encouraging her with some motivating phrases in this pleasant journey.



VALIDATION FUNCTION TO CHECK THE USER INPUT IN FRONT END:



```
w Go Run Terminal Help pregnancyCalculator.js - WebProject2 - Visual Studio Code
JS server.js ● contactUs.html ● JS pregnancyCalculator.js X
website > js > JS pregnancyCalculator.js > pregnancyCalculator
1 // birth due date calculation
2
3 var birth_date;
4 function pregnancyCalculator() {
5     var userDate = document.getElementById("duebirth_date").value;
6     var periodcycle = document.getElementById("periodCycle").value;
7     var dob = new Date(userDate);
8     var date2 = new Date(userDate);
9     if (userDate == null || userDate == "") {
10         alert(" Date is required");
11         return false;
12     } else if (periodcycle == null || periodcycle == "") {
13         alert(" period cycle is required is required");
14         return false;
15     } else {
16         var diffTime = Math.abs(Date.now() - dob.getTime());
17         var diffDays = Math.ceil(diffTime / (1000 * 60 * 60 * 24));
18
19         var duedays = Math.floor(diffDays % 7);
20         var dueweeks = parseInt(diffDays / 7);
21
22         //display the due date
23         document.getElementById("fetalage").value =
24             dueweeks + " Weeks " + duedays + " Days";
25         // diffDays + " Week " + duedays + " Days";
26         var newdate = dob.setDate(dob.getDate() + 280);
27         document.getElementById("duedate").value = new Date(newdate);
28
29         var conceptiondate = date2.setDate(date2.getDate() + parseInt(periodcycle));
30
31         document.getElementById("conception").value = new Date(conceptiondate);
32     }
33 }
34 }
```



Date is required

OK

Enter Your Name: renad

Last Menstrual Period: mm/dd/yyyy

Period Life Cycle:

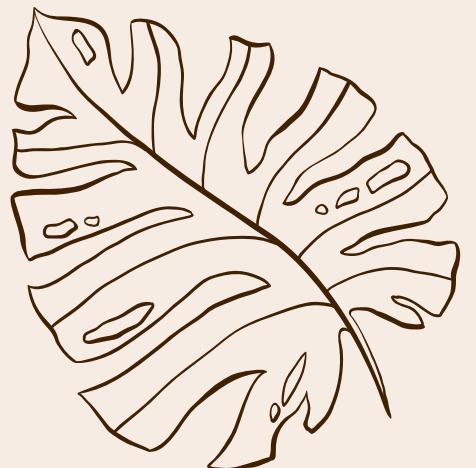
Calculate!

Estimated Conception:

Estimated Birth Date:

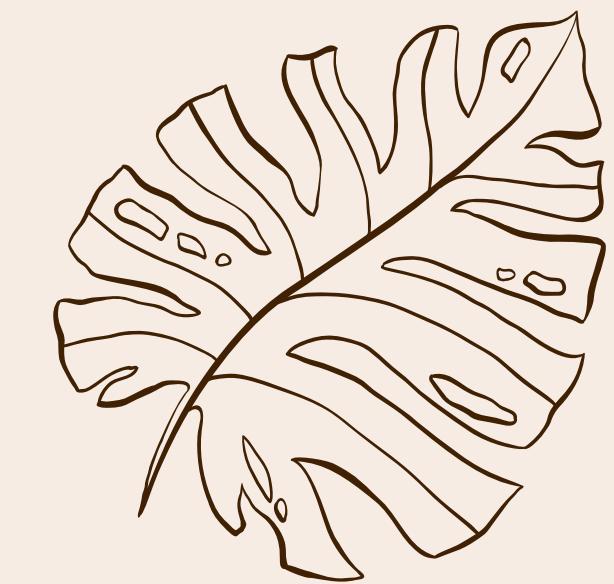
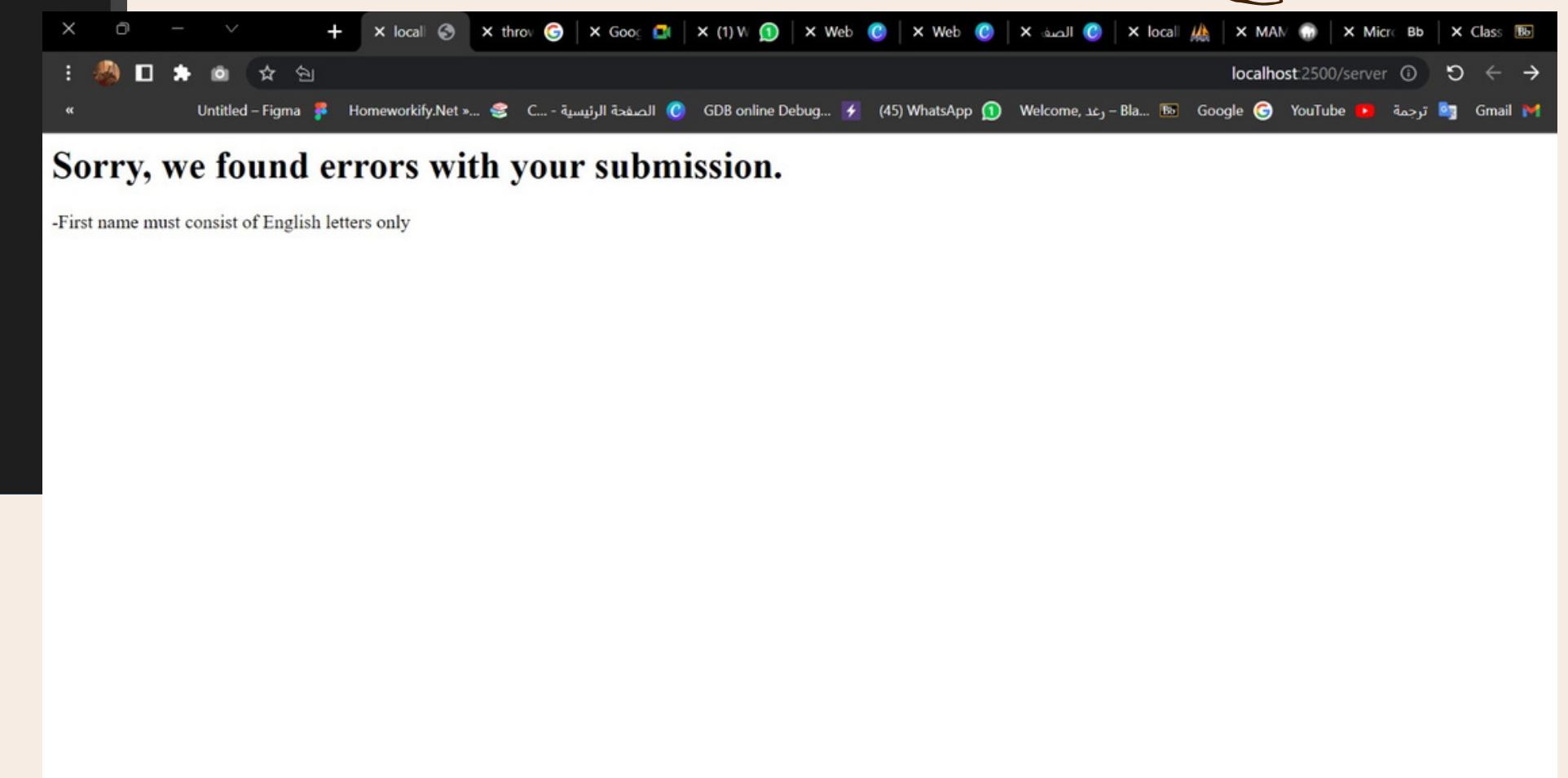
Estimated Fetal Age:

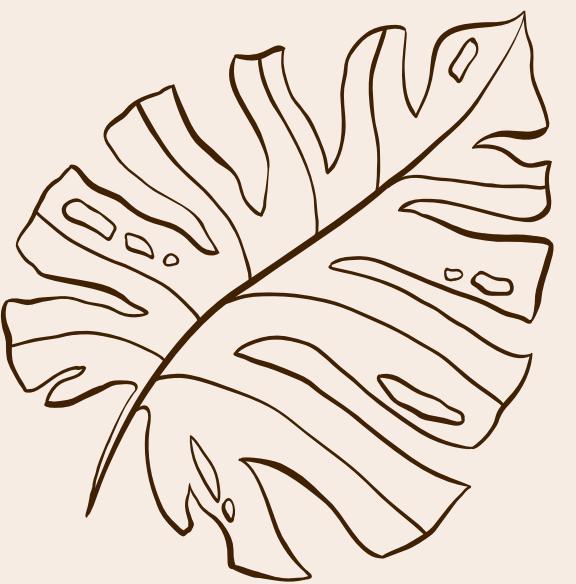
CONDUCT THE SERVER SIDE TO VALIDATION AND STORE DATA TO THE DATABASE:



```
File Edit Selection View Go Run Terminal Help • server.js - WebProject2 - Visual Studio Code
JS server.js contactUs.html pregnancyCalculator.js
JS server.js > addUser
56 function getFormValidation(){
57     return [
58         // Check fname
59         check('firstname').isLength({min:1,max:100}).withMessage('First name must be between 1 and 100 chars in length')//length
60             .isString().withMessage("First name must be of type string")//validate type
61             .matches('[A-Za-z]+').withMessage("First name must consist of English letters only")//format
62             .trim().escape()//sanitize and clean
63         // Check last name
64         check('lastname').isLength({min:1,max:100}).withMessage('First name must be between 1 and 100 chars in length')//length
65             .isString().withMessage("First name must be of type string")//validate type
66             .matches('[A-Za-z]+').withMessage("First name must consist of English letters only")//format
67             .trim().escape()//sanitize and clean
68         // Check last name
69         check('lastname').isLength({min:1,max:100}).withMessage('First name must be between 1 and 100 chars in length')//length
70             .isString().withMessage("First name must be of type string")//validate type
71             .matches('[A-Za-z]+').withMessage("First name must consist of English letters only")//format
72             .trim().escape()//sanitize and clean
73         //check email
74         check('email').isLength({min:2,max:200}).withMessage('Email must be between 2 and 200 chars in length')//length
75             .isString().withMessage("Email must be of type string")//validate type
76             .isEmail().withMessage('Email must be in the correct email format e.g., x@y.com')//format
77             .trim().escape()//sanitize and clean
78         //check mobile
79         check('phone').isLength({min:10,max:10}).withMessage('Mobile must be exactly 10 digits')//length
80             .isNumeric().withMessage('Mobile must consist of numbers only')//type
81             .trim().escape()//sanitize and clean
82         //check radio selection
83         check('gender').custom(val => {
84             const whitelist = ['female', 'male'];
85             if(whitelist.includes(val)) return true
86             return false
87         }).withMessage("Selection for 'gender' must be from provided list")
88             .trim().escape()//sanitize and clean
89     ]

```

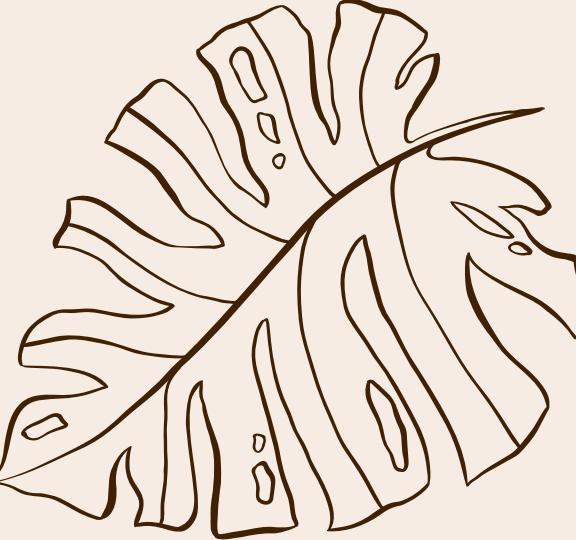




A screenshot of the phpMyAdmin interface. The browser tab shows "localhost/phpMyAdmin/index.php?route=/sql&db=pregnant+information&table=user&pos=0". The sidebar lists databases: appointment, New, user, information_schema, mysql, performance_schema, pregnant information, New, user, and sys. The main panel shows the "user" table with the following data:

firstname	lastname	gender	email	mobile	birth_date	language
Raghad	Ali	female	raghadalsayed18@gmail.com	undefined	2023-02-03	Arabic
Raghad	Ali	female	Raghadalsayed18@gmail.com	undefined	2023-02-03	Arabic
Abeer	Almalawi	female	Abeer@gmail.com	undefined	2022-06-16	Arabic
Renad	Aladwani	female	Renad123@gmail.com	undefined	2012-07-27	Arabic

Below the table, there are buttons for Print, Copy to clipboard, Export, Display chart, and Create view.



A screenshot of a Visual Studio Code editor window titled "server.js - WebProject2 - Visual Studio Code". The code editor shows the "server.js" file with the following code snippet:

```
JS server.js • contactUs.html
JS server.js > addUser > db.connect() callback > sql
115 //connect to db
116 db.connect(function(err) {
117   //check for errors
118   if (err) throw err;
119   //create SQL command
120
121   const user = {
122     firstname: 'Renad',
123     lastname: 'Aladwani',
124     gender: 'female',
125     email: 'Renad123@gmail.com',
126     mobile: 'undefined',
127     birth_date: 2012-07-26T21:00:00.000Z,
128     language: 'Arabic'
129   }
130
131   //insert user into database
132   db.collection('user').insertOne(user, function(err, result) {
133     if (err) throw err;
134     console.log(result.ops[0])
135   })
136
137   res.end('User added successfully')
138
139   //close connection
140   db.close()
141
142   //send response
143   res.end('User added successfully')
144
145   //end of addUser function
146 }
147
148 //end of server.js
```

The editor has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. A terminal window at the bottom shows a powershell prompt.

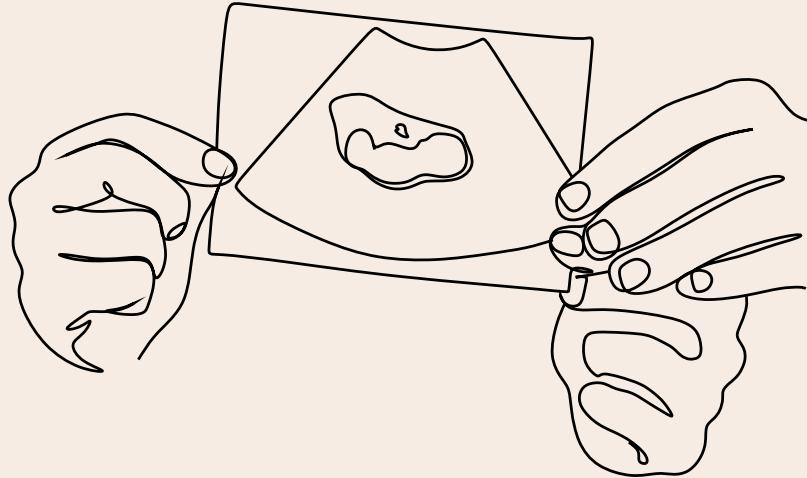
CHALLENGES:

- We have faced many challenges and difficulties to deal with backend and server side, such as dealing with server and connect it with database .
And we believe that this is due to the fact that the content of backend, did not cover the details and what we were asked to do.
- In addition to that we were supposed to accomplish a lot of requirements, but in return we were restricted to a specific time to finish the work.



IMPROVEMENTS IN FUTURE:

- Adding a page to become a memory album, through which the mother can add pictures of the first moments in her child's life.
Thus, this site is the first reference and a warm haven for every mother.
- One of the improvements is the addition of tips and information about the child from birth until the two years of age.
- Adding the feature of consulting doctors and specialists and providing direct medical advice to the mother.





Thank you for
listening