



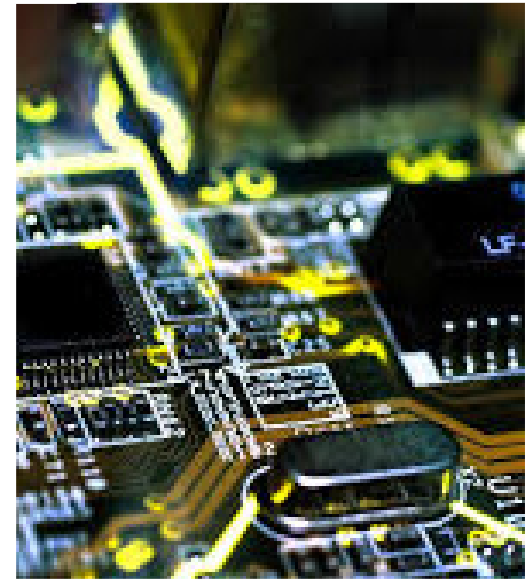
Rose Electronics Lab custom website

Presented by Semi Tehrani

Introduction

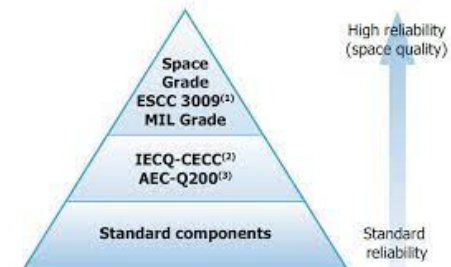
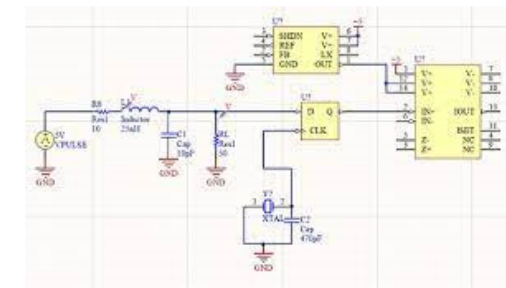
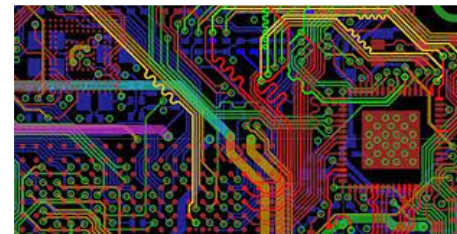
I am Semi Tehrani , have been working as an Electrical /electronics Engineer for more than two decades in various industries designing high tech electronics circuits.

I always got amazed how online shopping saved my time so I had more family time. So I decided to learn how to design a website as a hobby and possibly as a career in the near future.



My Capstone Project: Rose Electronics Lab website

A dear friend decided to start her own engineering consulting firm , Rose Electronics Lab. So I thought I will gift her the web page and will show case her services.



Requirement List

- As a prospective customer, I want to submit a specific question (quotes/custom services) through contact us page so I can explain desired service in detail. (Email API)
- As a prospective customer, I want to receive verification email when successfully registered. (Email API)
- As a prospective registered customer, I want to be able to upload document so I can request a quote.
- As a registered customer, I want to be able to upload extra documents so I can support the consulting team when needed.
- As a Sales/Marketing representative, I want to receive email notifications when prospective customers have registered or sent a question via contact us or uploaded documents so I can transfer the request to related department.
- As a Sales/Marketing representative, I want to view all documents and files associated with a registered user's request for service, so I can have all important documents
- As a developer, I want to have an aesthetically pleasing and intuitive user interface/user experience (UI/UX) with all features of the application stylized. (CSS, Bootstrap, Material UI, etc.)

*Time frame &Schedule

Start date : 8/31/2022

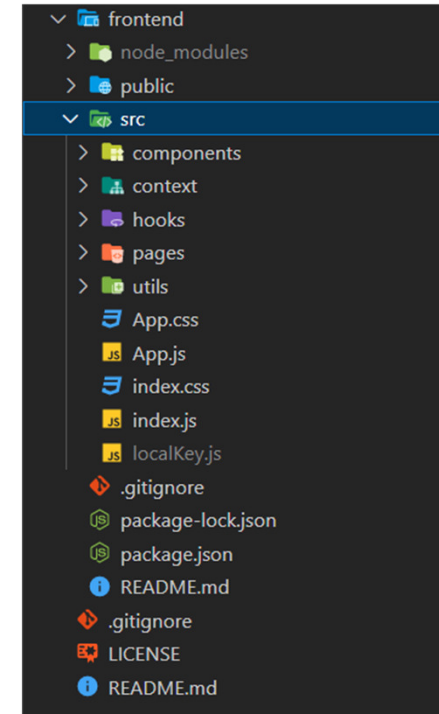
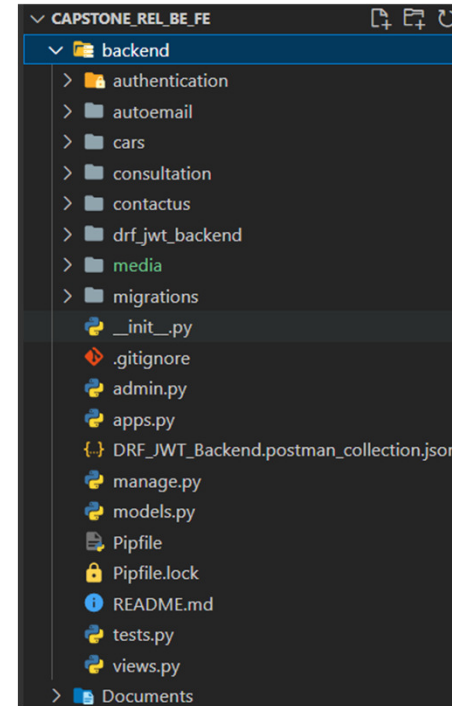
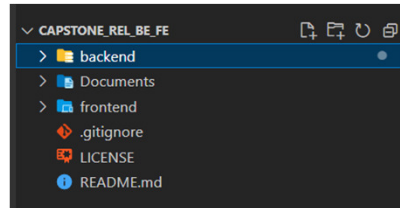
End date : 10/21/2022

* Work fulltime , had to work overtime in Sep & Oct , and also whole family was down with flue for 10 days.

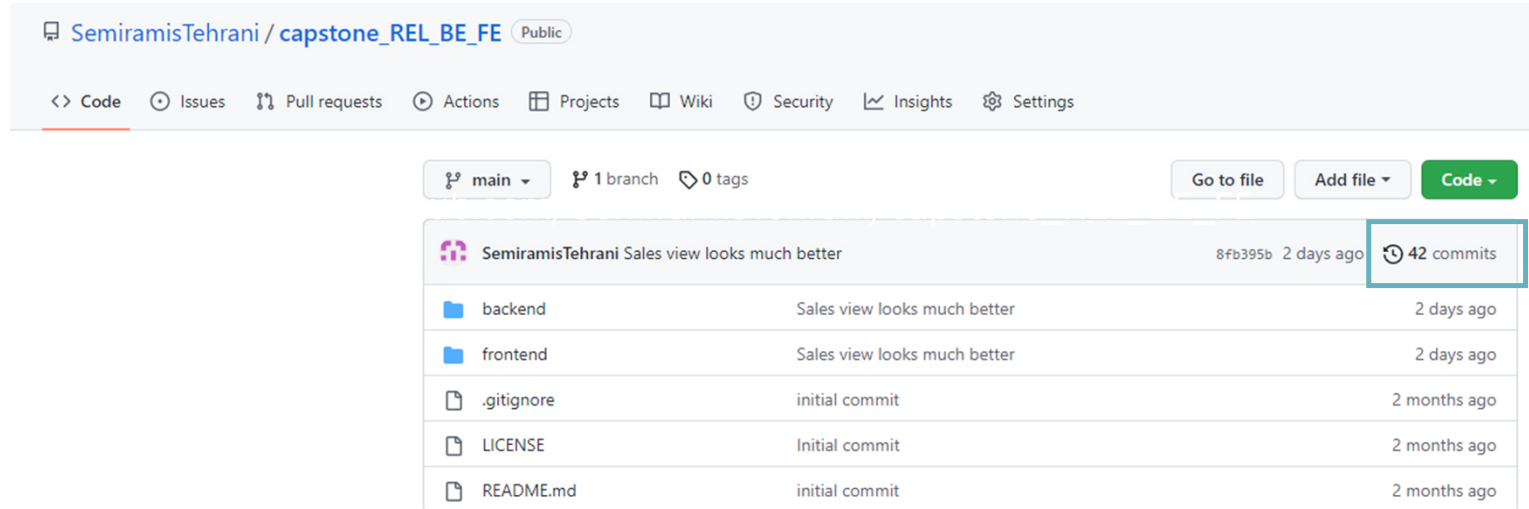
Tasks	Dates	status
GitHub repo		
SemiramisTehrani/capstone_RES_BE_FE	8/31/2022	created
starter code		
Already set it up for youtube frontend and backend , have some understanding of it removed youtube backend and other related lines , starter code runs (server & my	8/31/2022	completed
Backend		
contact us app : postman (GET,POST) , my sql , server	9/2/2022	completed
consultation app : postman (GET,POST) , my sql , server , upload one document only	9/3/2022	completed
email verification app :	9/5/2022	pending
MIMEText: It consists of simple text. This will be the body of the email. RoseElectronicsLab1353@gmail.com , password : xxxxxxxxxxxxxxxxxxxx		
Gmail doesn't allow to turn off the app security --> using Emails(has to move to frontend)		moved to frontend
fixed uploading for loggedin user via django admin page	9/26/2022	completed
Frontend		
leftovers from another project in startercode	9/9/2022	deleted
Footer	9/9/2022	completed
NavBar	9/9/2022	started , pending
Home	9/11/2022	pending
NavBar	9/11/2022	updated , pending
autoemail : created emails account , still autoemail.jsx needs a lot of clean up		pending
npm start is running with no error	9/11/2022	completed
Removed youtube stuff in app.js, npm server still runs	9/11/2022	completed
ContactUs runs but needs clean up	9/11/2022	pending
fixed type on COnтактUs.css	9/11/2022	completed
working on autoemail, it needs clean up to remove the send message part	9/11/2022	pending
Emails	9/11/2022	pending
Frontend : Home , added routes for each individual page , fixed an issue with the NavBar , style the NavBar, re-arrange the home screen, began work on the services code clean up	9/17/2022	pending
Added Footer & PCB & contacus page	9/17/2022	completed
styled Footer , working on login & register pages	9/22/2022	completed
contact us not linked to backend , debugging it	9/22/2022	completed
fixed contactus , NavBar spacing fixed , Registration form displays and styling is fixed , registration functionality is spending	9/23/2022	completed
Registration & login works , uploading document in progress	9/23/2022	pending
fixed upload , still some issues with login upload , uploaded files are downloadable now , redirects added to login & registration	9/24/2022	pending
services : populated Reliability & cleaned up PCB/Layout text format	9/26/2022	completed
Services : Schematic is populated	9/26/2022	completed
Services : Electronics is populated correctly	9/26/2022	completed
Autoemail is emailing registered users , document upload correctly upload documents	9/29/2022	completed
Sales rep receives email notification in RoseElectronicsLab2022@gmail.com when a user send contatc us messages, registered, upload a document	9/29/2022	completed
document are correctly linking to be seen on sales rep page , sales rep download the documents	10/7/2022	pending
Sales rep view shows contatc list & consultatoin list	10/8/2022	pending
Sales login , logout , security for sales	10/8/2022	pending
login is broken!	10/10/2022	pending
multiple download is broken!	10/10/2022	pending
fixed login , registration, uploading multiple documents	10/14/2022	completed
timestamps show for uploading documents in sales page	10/14/2022	completed
Sales view looks much better : elegant look now !	10/21/2022	completed
Freeez	10/21/2022	

Coding style

- Well-organized
- Easy to understand
- Modular
- Ability to test & verify each requirement in backend independently.
- Ability to test & verify each requirement in backend & frontend.



GitHub Repository commits report



SemiramisTehrani / capstone_REL_BE_FE Public

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

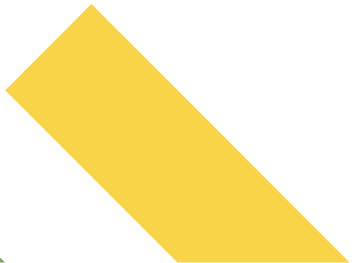
main 1 branch 0 tags Go to file Add file Code

SemiramisTehrani	Sales view looks much better	8fb395b 2 days ago	42 commits
backend	Sales view looks much better	2 days ago	
frontend	Sales view looks much better	2 days ago	
.gitignore	initial commit	2 months ago	
LICENSE	Initial commit	2 months ago	
README.md	initial commit	2 months ago	

https://github.com/SemiramisTehrani/capstone_REL_BE_FE

Technologies Used:


- Python
- Django RESTFRAME WORK
- ReactJS
- HTML
- CSS
- JS



About Us

We are Experienced and Creative Electrical Engineering team with extensive expertise in Design, Product Development, Manufacturing, Program Management, Reliability , Test/Characterization, and People management.

Our Services



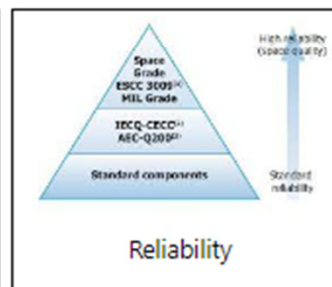
A central illustration of a person climbing a ladder next to a large gear. Surrounding the gear are various technology logos: MongoDB, Python, C++, CSS, HTML, JavaScript, PHP, Oracle, Ruby, Sqli, Angular, MySQL, and ReactJS.

Full Stack Development



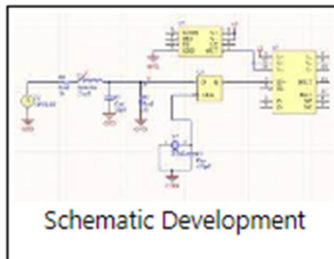
A close-up photograph of a complex printed circuit board (PCB) with numerous electronic components and intricate wiring.

Electronics Design & Simulation



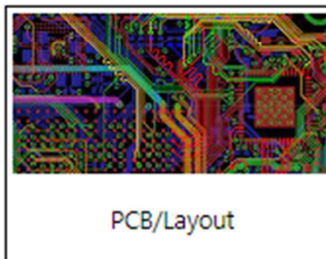
A diagram showing a pyramid divided into three horizontal sections. The top section is labeled 'Space Grade', 'ESCC 3009', and 'MIL Grade'. The middle section is labeled 'TECC-CRCC' and 'AEC-Q109'. The bottom section is labeled 'Standard components'. To the right of the pyramid is a vertical double-headed arrow. The top of the arrow is labeled 'High reliability (space quality)' and the bottom is labeled 'Standard reliability'.

Reliability



A detailed electronic circuit schematic diagram showing various components like resistors, capacitors, and integrated circuits connected by lines.

Schematic Development



A top-down view of a multi-layer printed circuit board (PCB) layout, showing a dense arrangement of colorful traces and components.

PCB/Layout

Future Iterations/Upgrades

Improvement Idea #1

Services : I like to group specific skills together

Improvement Idea #2

Sale view : I like to add time stamp to contact us list

Improvement Idea #3

Services page: pictures to be smaller

Improvement Idea #4

Sales view : splits the view in two pages

“ Thank
You!

