

Software Implementation

Prototyping with GUI

Team Members

Prathiban V (19MID0010)

Sri HariHaran R (19MID0024)

Chandru M (19MID0034)

Prototype of all the important user interfaces along with appropriate description of each interface. (Follow the user interface design guidelines while preparing the interfaces).

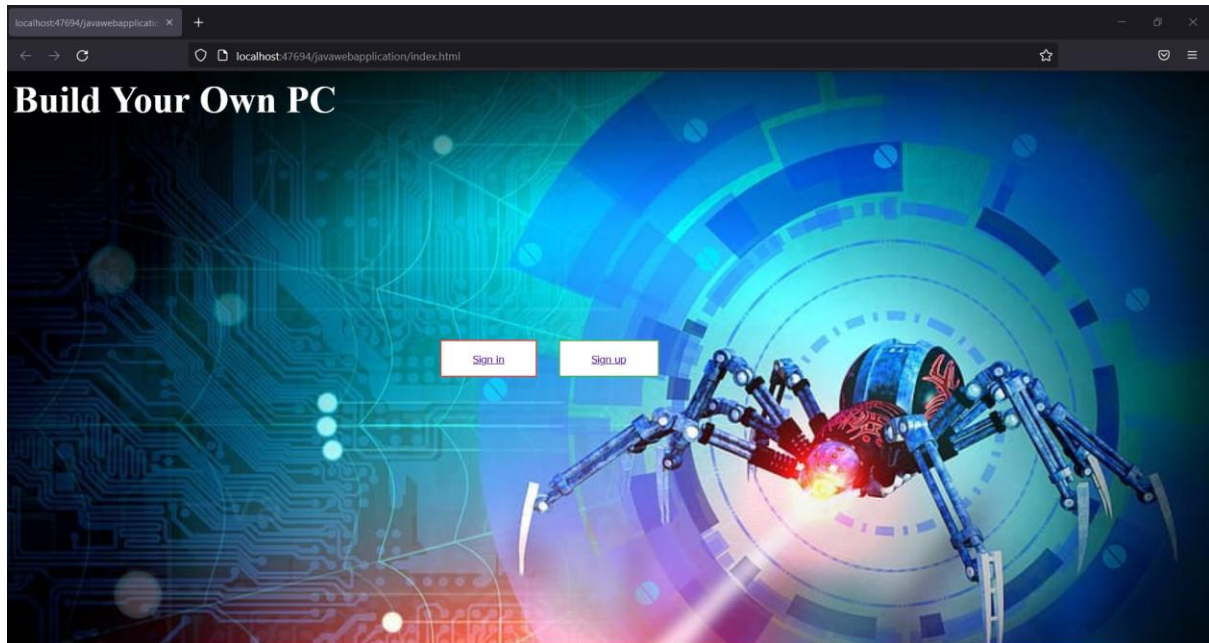
Functionalities:-

1. Wide choice of accessories
2. Description and Comparison of Components
3. Recommendations
4. Cost Efficient for Customers
5. Score of PC

We have used HTML, CSS, Java Script as frontend and Java Servlets as backend to our project. We have separate JDBC database in Netbeans Software which we have created.

Index Page:-

Index Page contains sign-in or sing-up where user can click respective buttons to either register their details or login using their credentials.



Register Page:-

If user wants to open a new account they can register here. Register Page contains 3 fields such as Name, Email, Password. These details will be entered by user. Once the user fills the details, user can click signup button to register their account. These details are automatically stored in database which we have created in Netbeans software.



Login Page:-

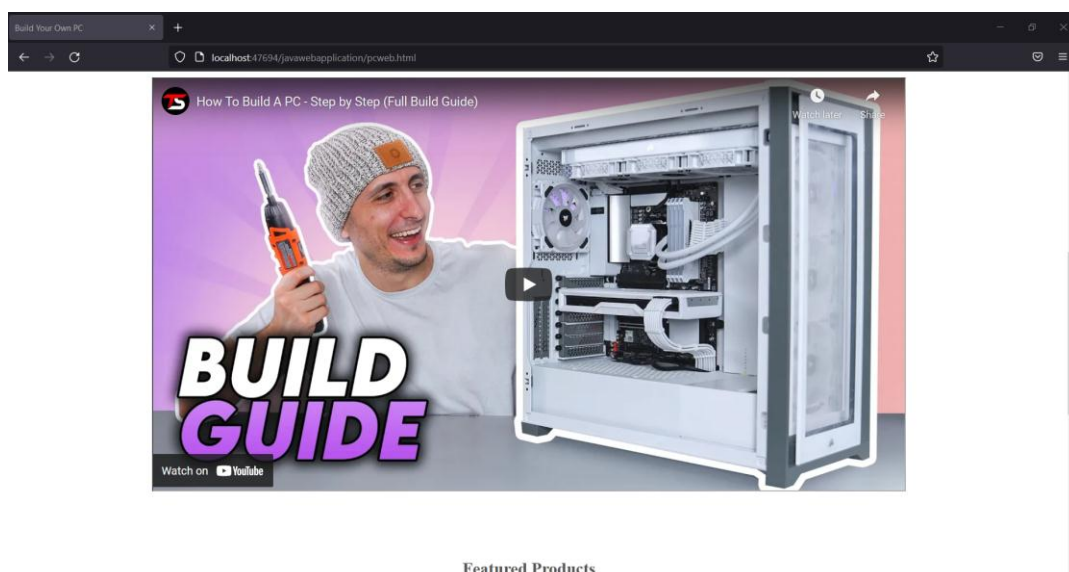
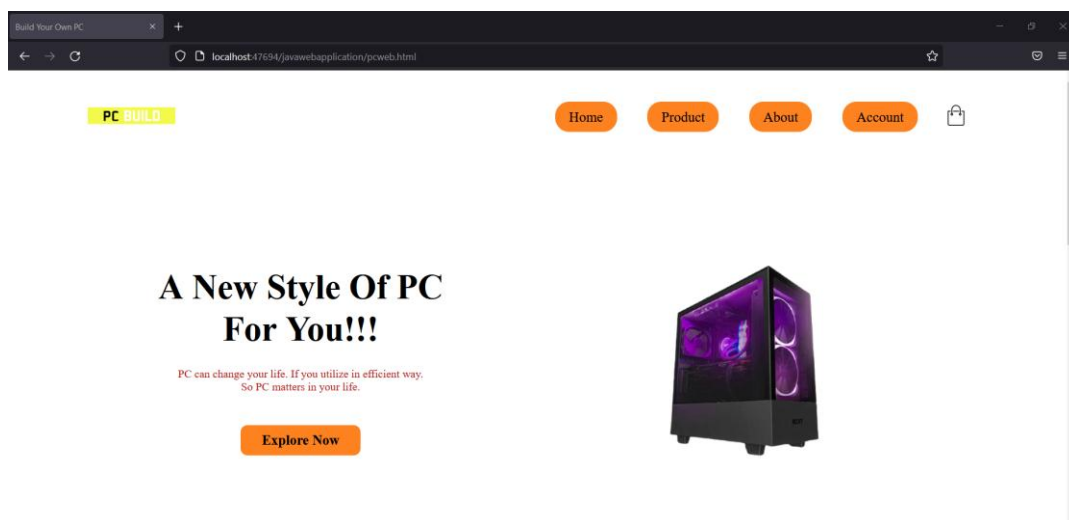
Once user created their account successfully they can login to our web application. User can give their credential to login. If user forgot their password, they can double click the password textbox field so that it displays the last passwords used by them. Once user clicks sign-in button, it redirects to our home page.

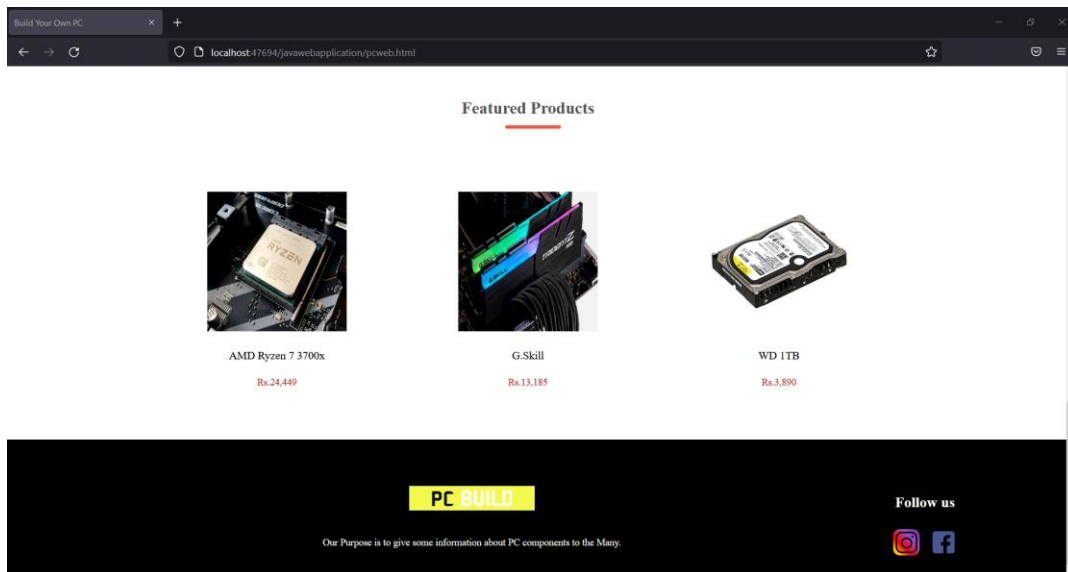


Home Page:-

This is the Home page of our project. Home page contains all the requirements you need. From home page we can move to wide choice of components page, cart page, account page, about us page. There is a video about how to build your pc where user can refer to it.

Featured Products in home page is the hot products that are recently sold most. The bottom of the page contains our motive and social media links.



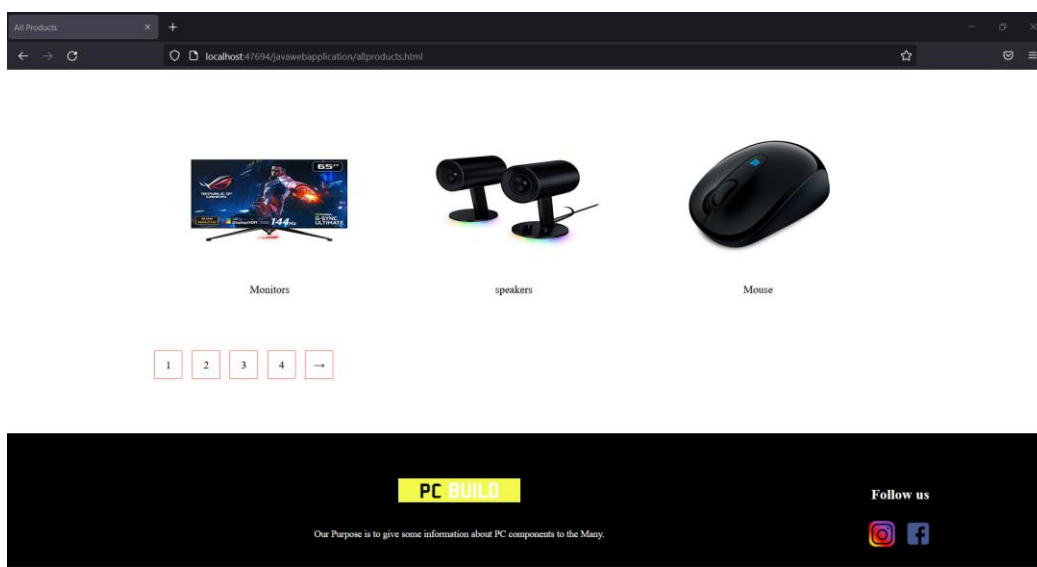
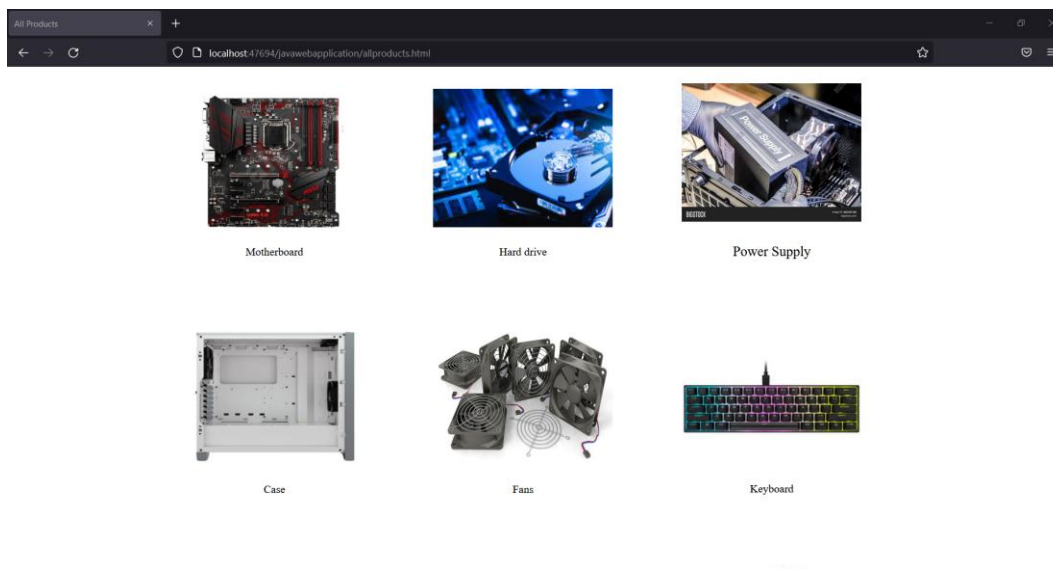
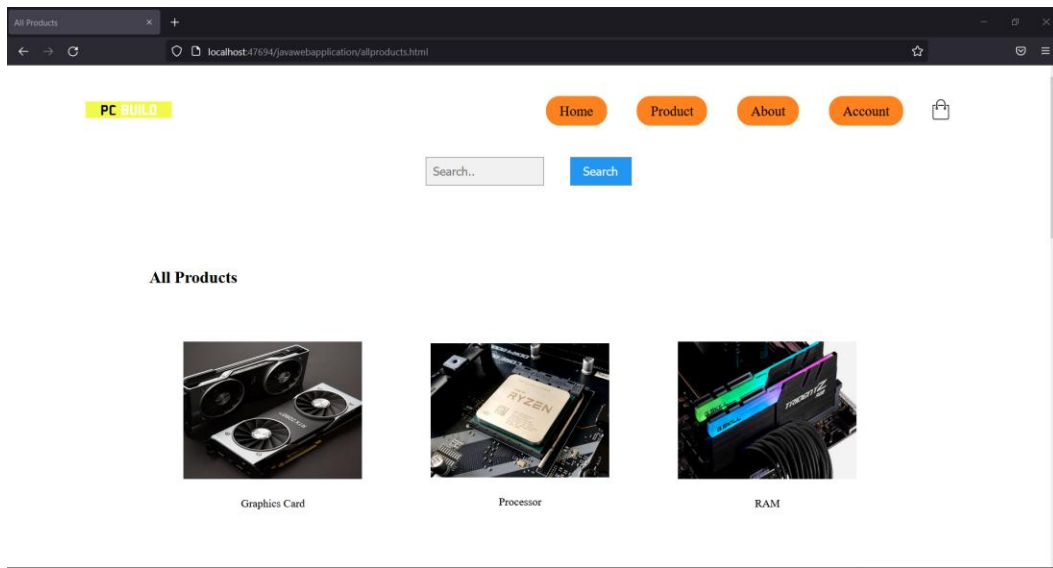


1. Wide Choice of Accessories

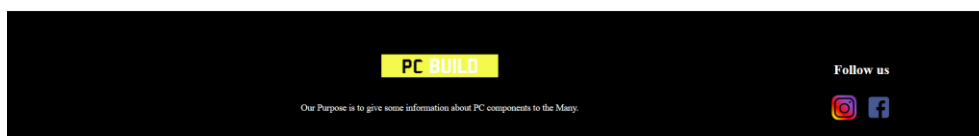
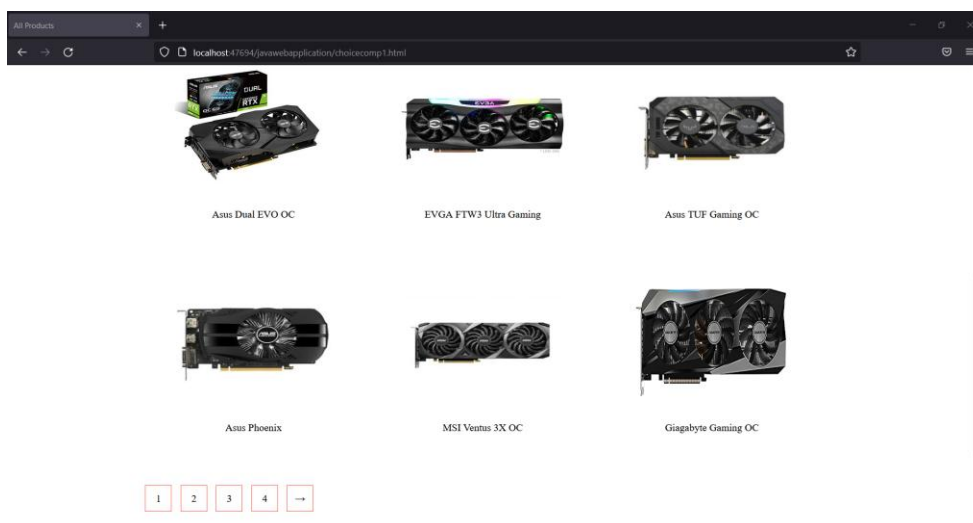
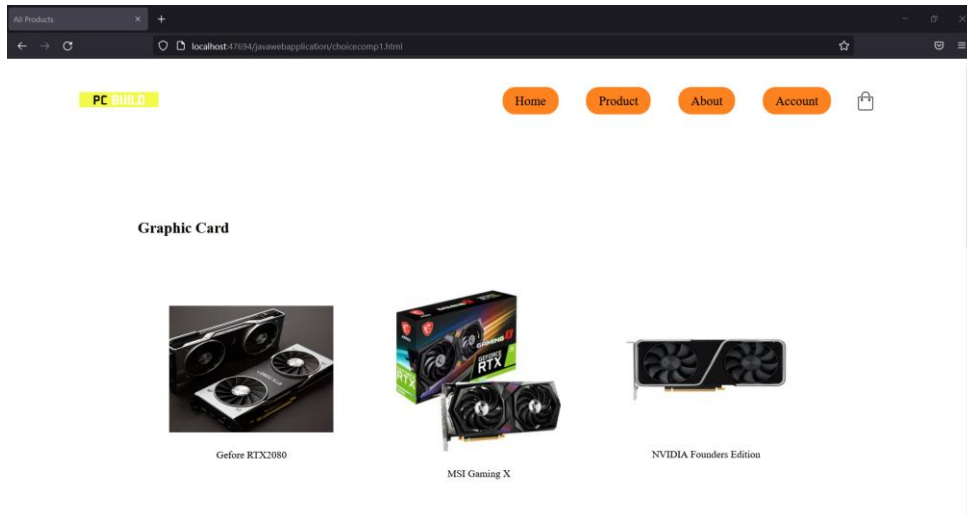
Choice of Accessories Page contains all the components required to build a PC. From this page we can navigate to all other pages also. Search Bar is provided where user can search the specific component to get easily without looking all other components. All products are ISO 9001 certified.

By Clicking each component it redirects to other page which contains more number of components.

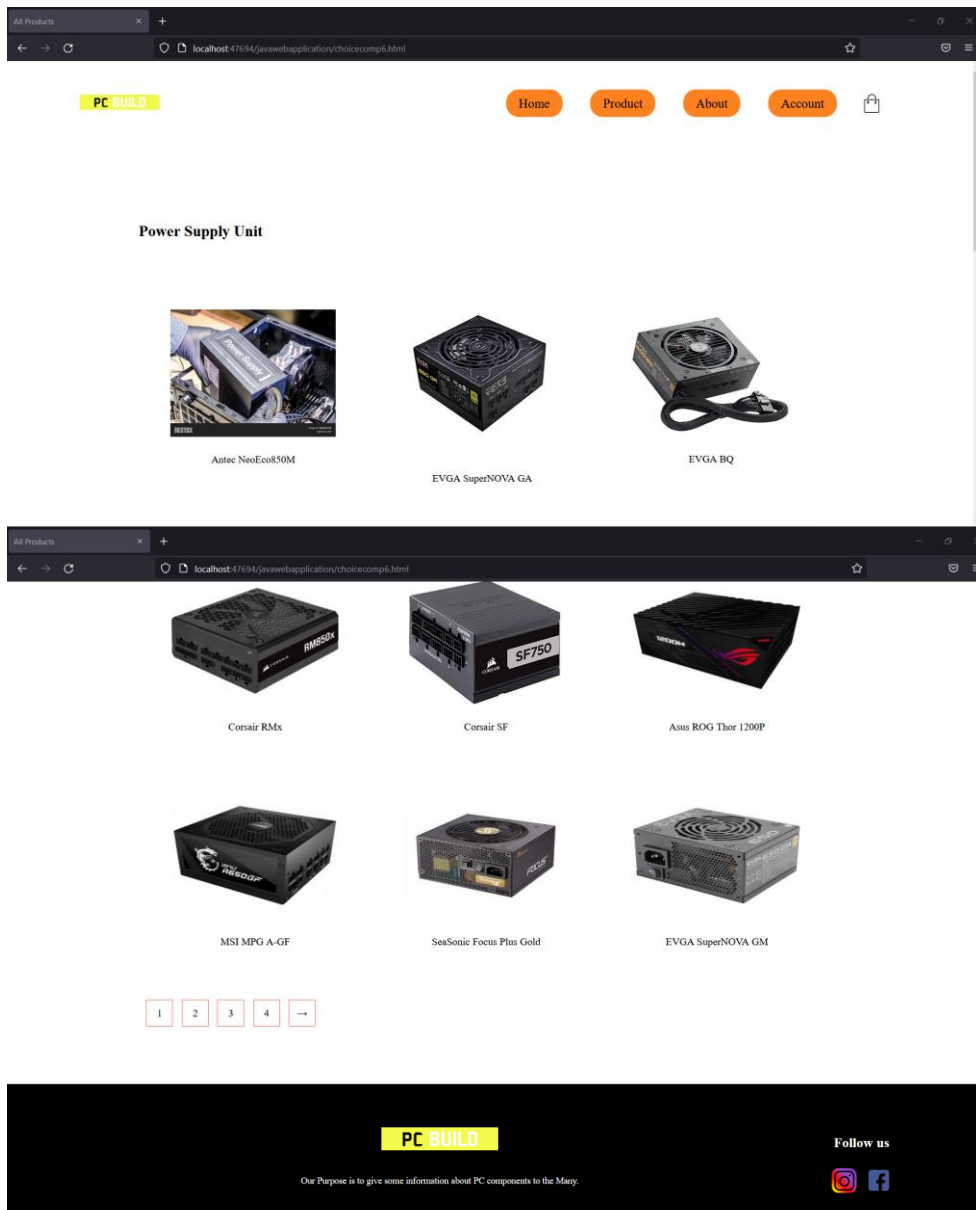
For Example, if we click the Graphic Card Component, it redirects to other page containing various graphics card. This is similar to other components as well.



Clicking the graphic card component it redirects to other page containing variety of graphics card. Here user can select any of the components to know the description, price and comparison of each component.



Once user selected Power supply component it redirects to other page containing variety of Power supply items.

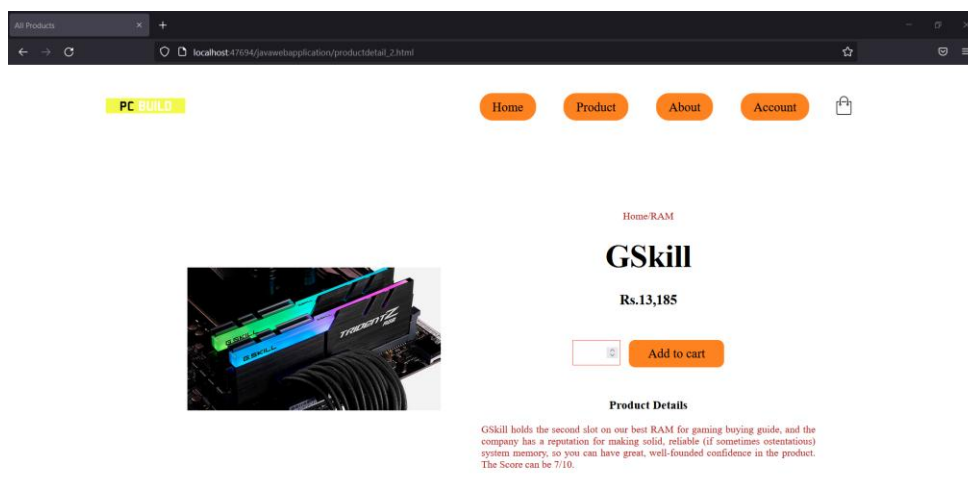


2. Description and Comparison of Components

The below page is the description page of “Gskill” Ram. Generally, this page contains description, information, comparison and recommendation of the component. User can get information about the required component they needed. User can compare the item with other products as well. If user does not want the required component they selected then they can go recommended components.

User can select the required quantity they want and click the add button to cart button. The product will be stored in cart. We have provided the best seller and related components in recommendations. User can click the component they require to get much information about it.

The below page is the similar to all the components. We have provided the short description and comparison about all components.



All Products

localhost:47694/javawebapplication/productdetail_2.html

Product Specification

MODEL	F4-3600C18D-16GTZR
SERIES	TRIDENT Z RGB
MEMORY TYPE	DDR 4
LED	RGB
MEMORY SIZE	16 GB
KIT TYPE	8GB x 2
TESTED SPEED	3600 MHz
TESTED LATENCY	18-22-22-42
TESTED VOLTAGE	1.35 V

Compare Items


All Products

localhost:47694/javawebapplication/productdetail_2.html

Corsair Vengeance LPX 16GB

Rating

4.7/5



Price/GB

Rs.4700

Manufacturer

Corsair

Modules

2 x 8GB

Color

Black / Yellow

Voltage

1.35V


Heat Spreader

Yes

GSkill V Series 32GB

Rating

4.3/5



Price/GB

Rs.8500

Manufacturer

GSkill

Modules

2 x 16GB

Color

Black

Voltage

1.35V


Heat Spreader

Yes

Kingston HyperX 16GB

Rating

4.0/5



Price/GB

Rs.8000

Manufacturer

Kingston

Modules

2 x 8GB

Color

Black / Silver

Voltage

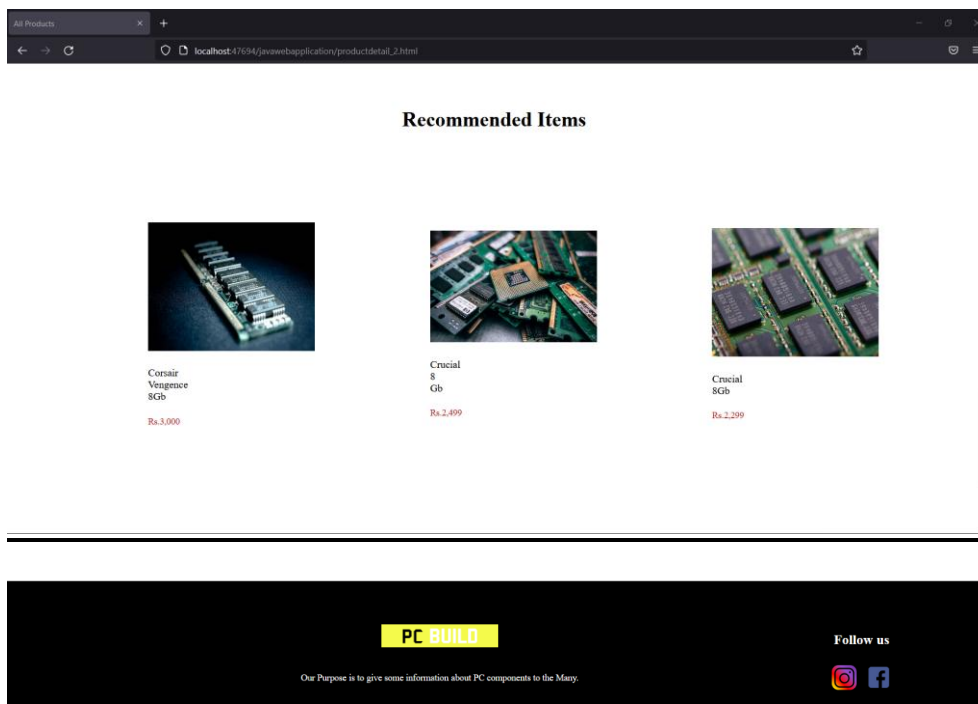
1.35V

Heat Spreader

Yes

3. Recommendations

We have provided Recommendation based on the each component's Best seller, price and rating. We used javascript to get price and rating from the component selected and we displayed the components which are similar to it. When user clicks a component respective recommendation will be displayed below the comparison.



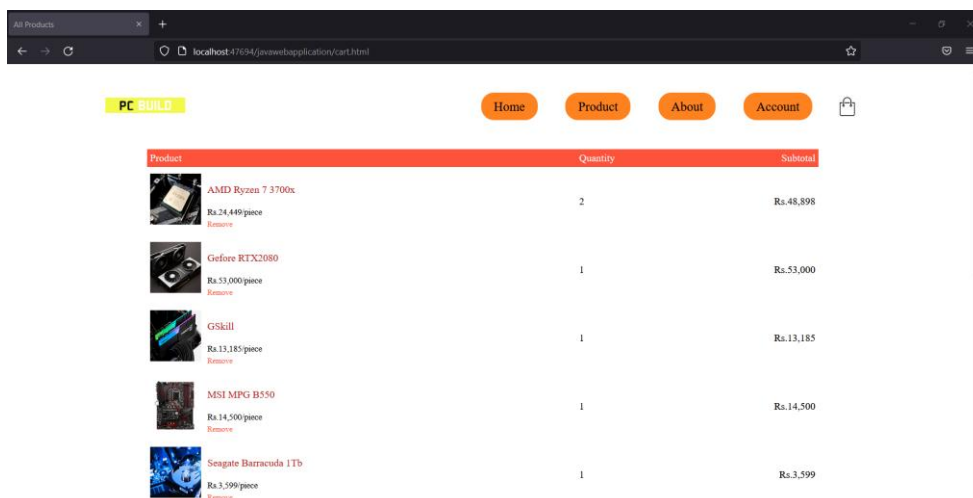
4. Cost Efficient for customers






The below page is the cart page. User can view this page by clicking the bag icon provided in all the pages. Cart Page contains the components added by the user. Quantity and Price are retrieved from the jdbc database created in netbeans software. User can also remove the items from the cart with remove button.

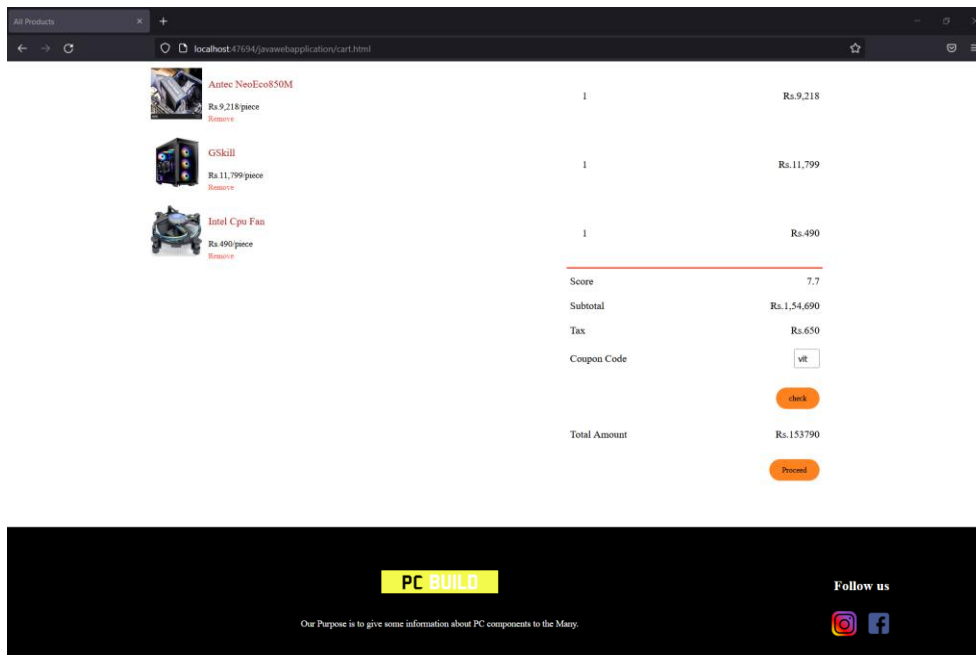
The price of all the components with respect to the quantity is calculated and displayed below the score. We included tax as seller put tax on each component. We have fixed the price at manufactured level so buying components here is less when compared to buying in market.

User can put coupon code to avail the discount. By clicking the check button the total amount will be displayed with reduction of price. If the coupon is not valid, then the price include of tax will be displayed.

Once user get to know about the price, they can click the proceed button.

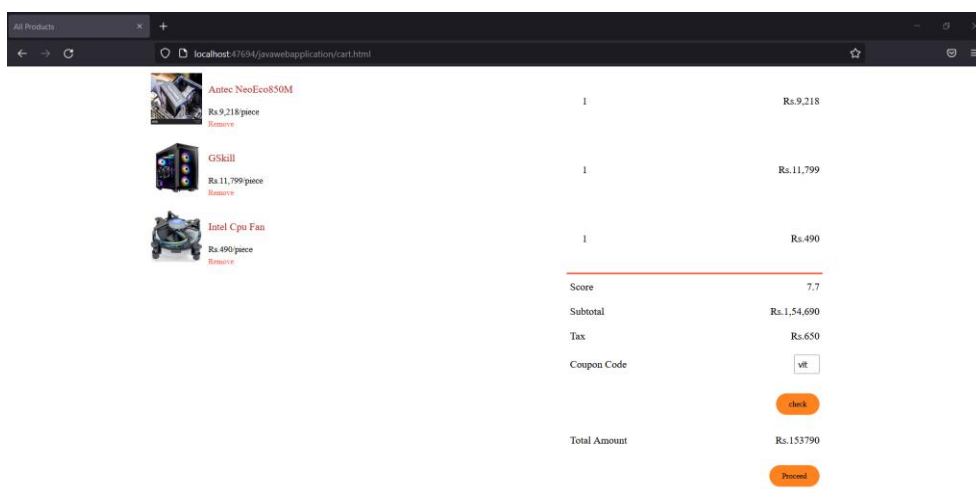


Product	Quantity	Subtotal
 AMD Ryzen 7 3700s Rs.24,449/piece Remove	2	Rs.48,898
 Gefore RTX2080 Rs.53,000/piece Remove	1	Rs.53,000
 GSkill Rs.13,185/piece Remove	1	Rs.13,185
 MSI MPG B550 Rs.14,500/piece Remove	1	Rs.14,500
 Seagate Barracuda 1Tb Rs.3,599/piece Remove	1	Rs.3,599



5. Score of Pc

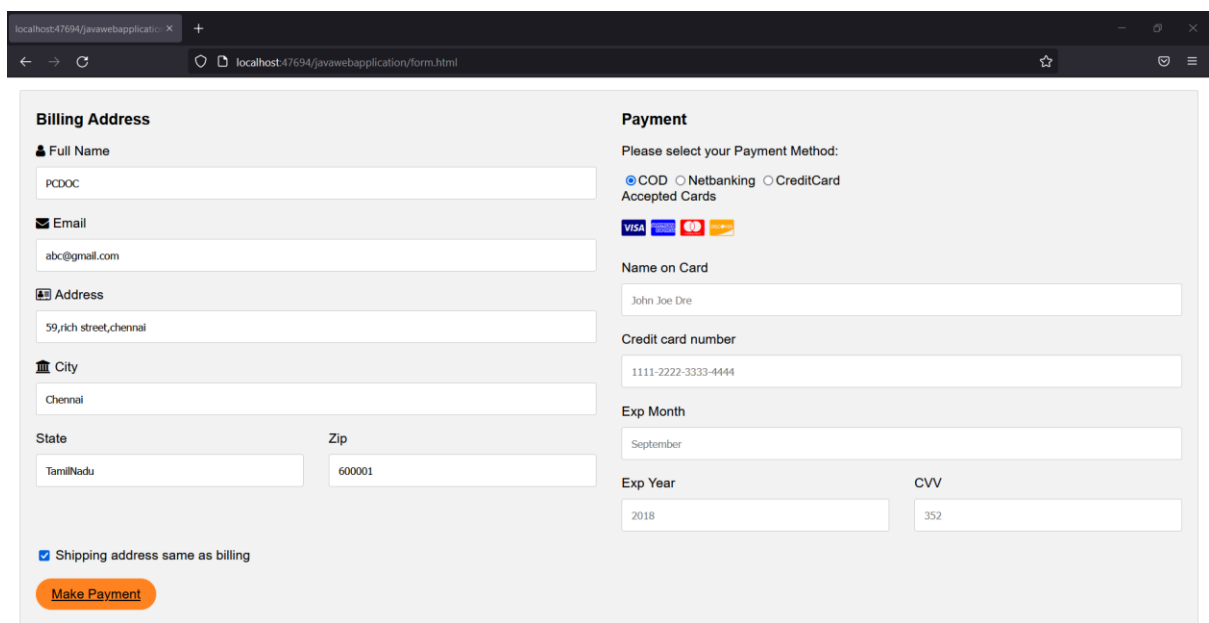
Score of pc is displayed in cart page as well .Score is calculated and retrieved from database. The score is based upon average of performance, efficiency of each component. We provide the overall score of the pc for the components which you have selected. If the score seems to low, user can select the other or recommended components to get the maximum score. Here the score of the PC is 7.7



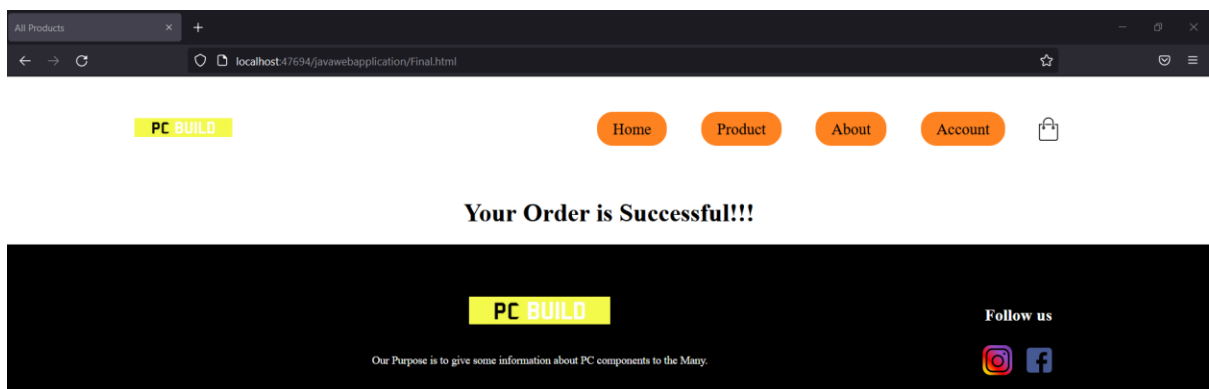
Payment:-

User can enter their billing address details. User can fulfill the payment through 3 ways. Cash on delivery(COD), netbanking, CreditCard. User can select any one of these method to book the order successfully.

If shipping address is same as billing address then payment is made by the user. If the payment is made successfully it redirects to other page saying your order is successful.

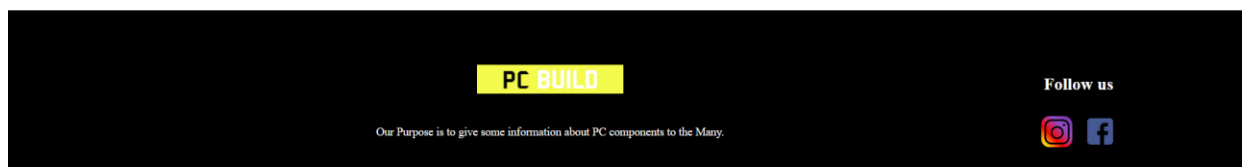
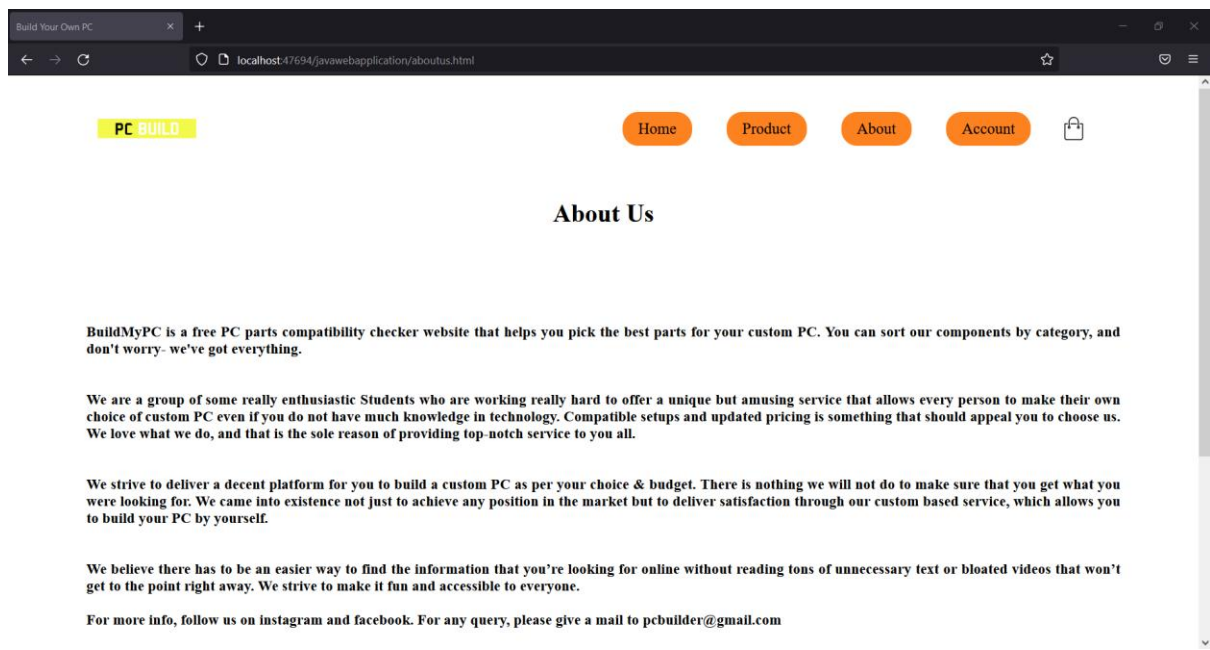


The screenshot shows a web browser window with the URL `localhost:47694/javawebapplication/form.html`. The page contains a "Billing Address" form and a "Payment" section. The "Billing Address" form includes fields for Full Name (PCDOC), Email (abc@gmail.com), Address (59,rich street,chennai), City (Chennai), State (TamilNadu), and Zip (600001). There is a checkbox for "Shipping address same as billing" which is checked, and a "Make Payment" button. The "Payment" section has a heading "Please select your Payment Method:" with radio buttons for COD (selected), Netbanking, and CreditCard. Below this are "Accepted Cards" (Visa, Mastercard, etc.) and a "Name on Card" field (John Joe Dre). It also includes fields for "Credit card number" (1111-2222-3333-4444), "Exp Month" (September), "Exp Year" (2018), and "CVV" (352).



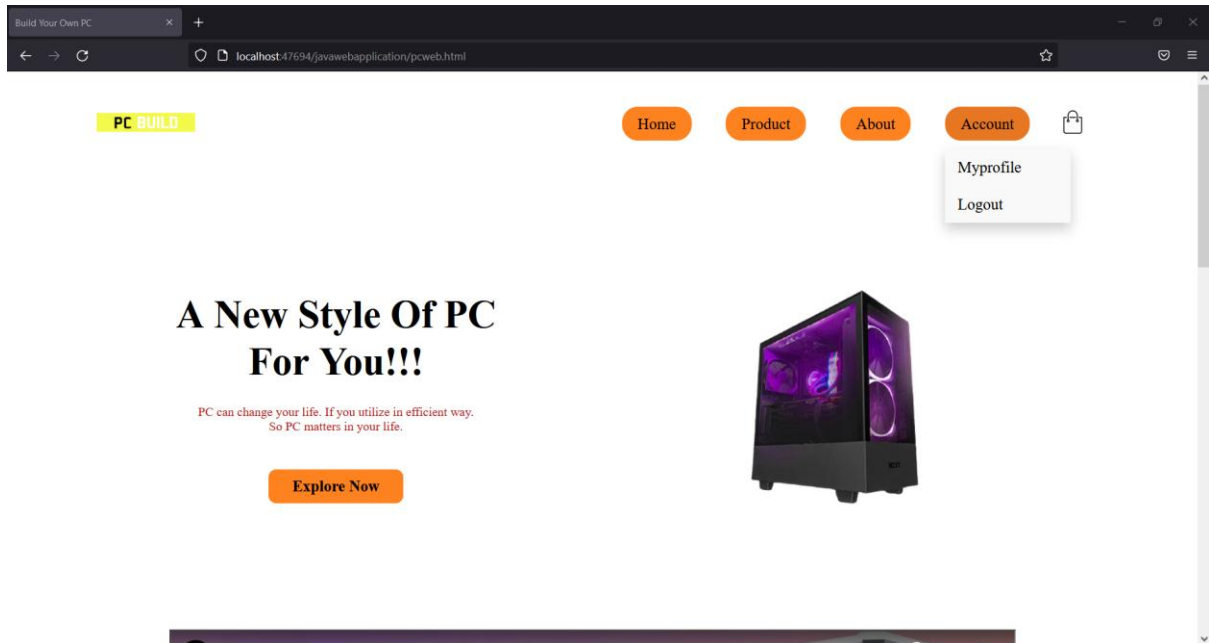
About:-

About us page contains the information about us .User can post their query through mail provided there. If user wants to know more about us they can follow us on Instagram and Facebook. The link is provided below of each page.



Logout:-

User can logout from the PC build web application by clicking logout button present in Account menu. Once the user clicks the logout button we are redirected to login page.



Prepare demo video of your project demonstration. Upload the video on drive and share the URL of the project demo video in our report. [All the members must demonstrate their implemented part of the project while recording demo video. Make sure you have provided permission to access the video.

https://drive.google.com/file/d/1I_4zbRTAtj6ceg7dS2atm8fsMrIVqqrh/view?usp=sharing