Course Project

Section 1

Description of the business:-

My business is all about the car service. The name of the business is 'Car hector'. Car hector repair service offers a wide range of services to the customers. It is ultimately the goal of the company to offer a one-stop facility for all servicing needs, including brakes, transmission, wheel alignment, etc. In this way the company can offer greater perceived value for the customer than many other shops which specialize in certain areas. The industry is highly competitive with suppliers having a great deal of power in setting and negotiating the prices of their products and services to repair shops. Car hector business provides all the material to the customers for their cars. If the car has been damaged or has any kind of function problem in it, the best option for the customers to visit our shop or the scroll our website, it could be handy for the customer to know more about our services and business.

Service description: Car hector repair service business provides a wide range of auto repair services. These include:

- Accessories
- wheel care
- Body repair

Suppliers have a great deal of power in setting and negotiating the prices of their products and services to repair shops. This is due to the fact that the suppliers who absorb the greatest amounts of cash from repair shops are large auto part companies. The technological revolution in computers has enhanced our abilities to diagnose and repair our clients' vehicles. Car hector will remain on the cutting edge by instituting the use of computer diagnostic equipment in its shop. The company will continue to seek new ways to provide a better service through technology.
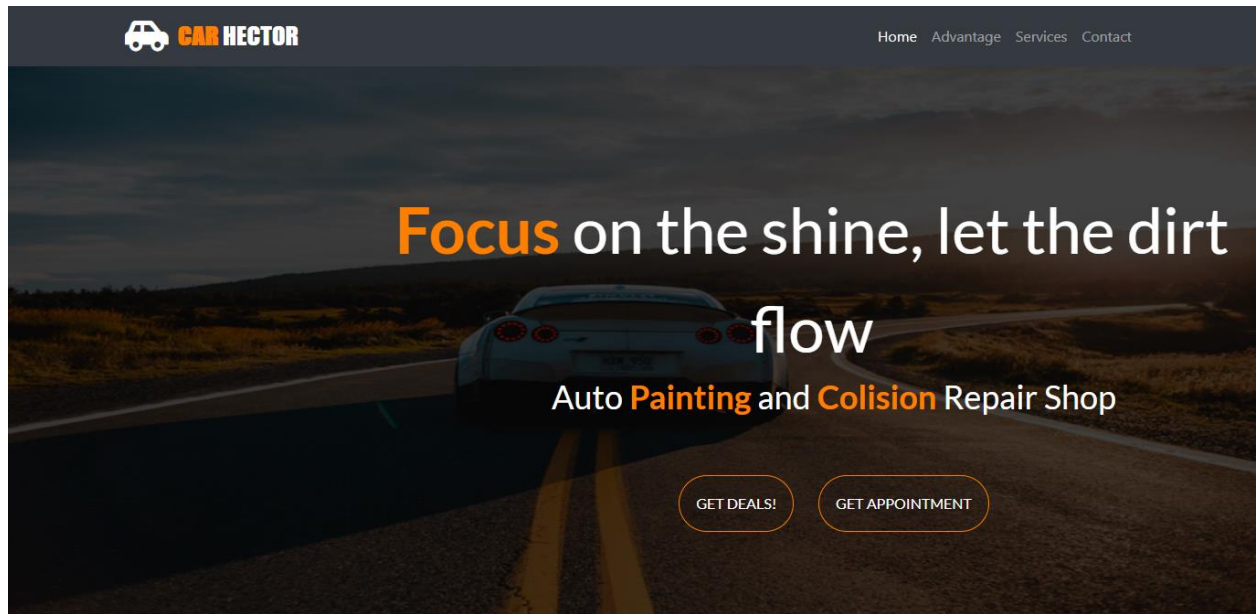
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Section 2

Comparison of Figma Wireframes with the screenshots of my website:-

Figma Wireframe:
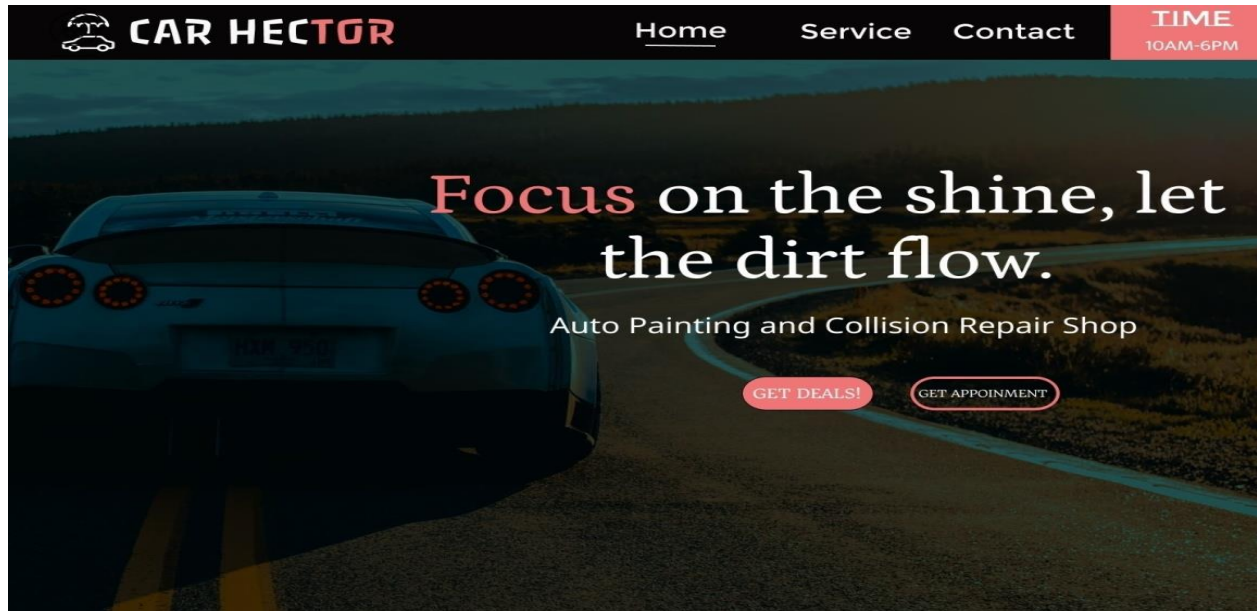
Webpage Screenshot:

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The above mentioned images have some differences. The first one is the image of Figma wireframe for my website and the second on is the screenshot of my real course project website. I briefly explain all the differences between my Figma wireframe and the course project website screenshot.

1. The background image styling in both screenshots are different but the image url is same for both.
2. In wireframe, there is black color for the background of navbar, but in my course project, I changed this color to grey. Because I found the grey color to be attractive for my website.
3. In wireframe and website screenshots, the logo in the navbar is also changed.
4. There is same brand name for both screenshots and the other links such as home, services and contact are also same. But I mentioned one another link named advantages to link the advantage page, which I forgot to mention in my wireframe. And the timing is also not mentioned on the navbar in the website screenshot.
5. The font style and coloring is different in both screenshots.

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Figma Wireframe:

Webpage Screenshot:
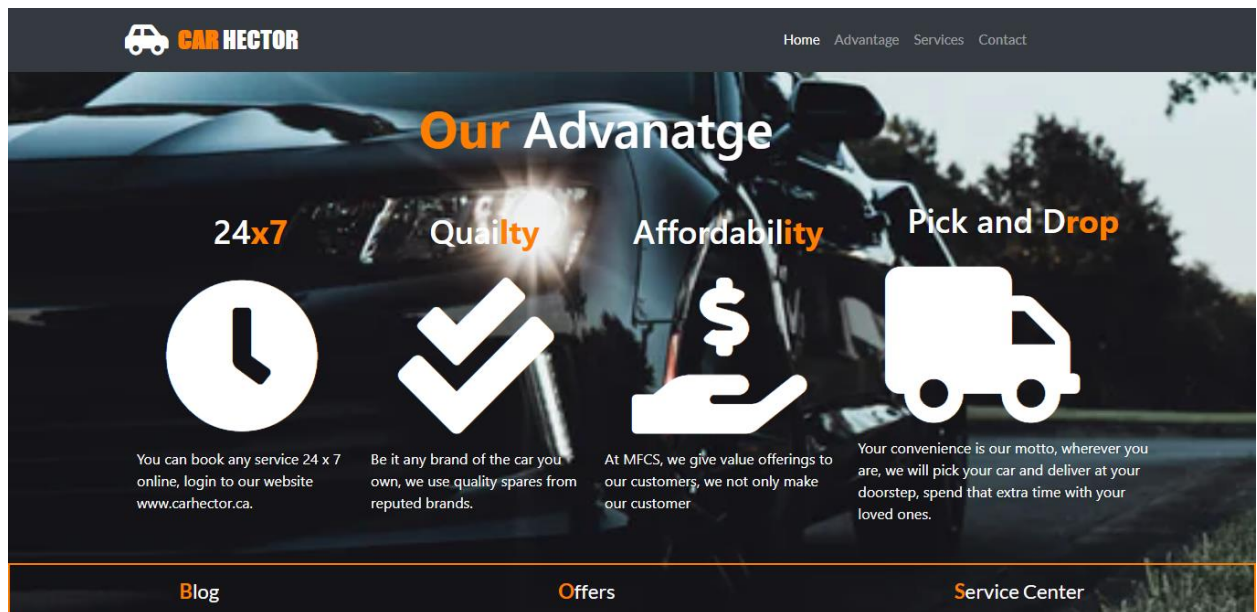
The advantage page in wireframe and in website screenshot, has also contains some changes. The navbar changes, I already mentioned in first webpage. There is a change in background image and the logos that used for description. Finally, there is a difference in color and font styling.

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Figma Wireframe:
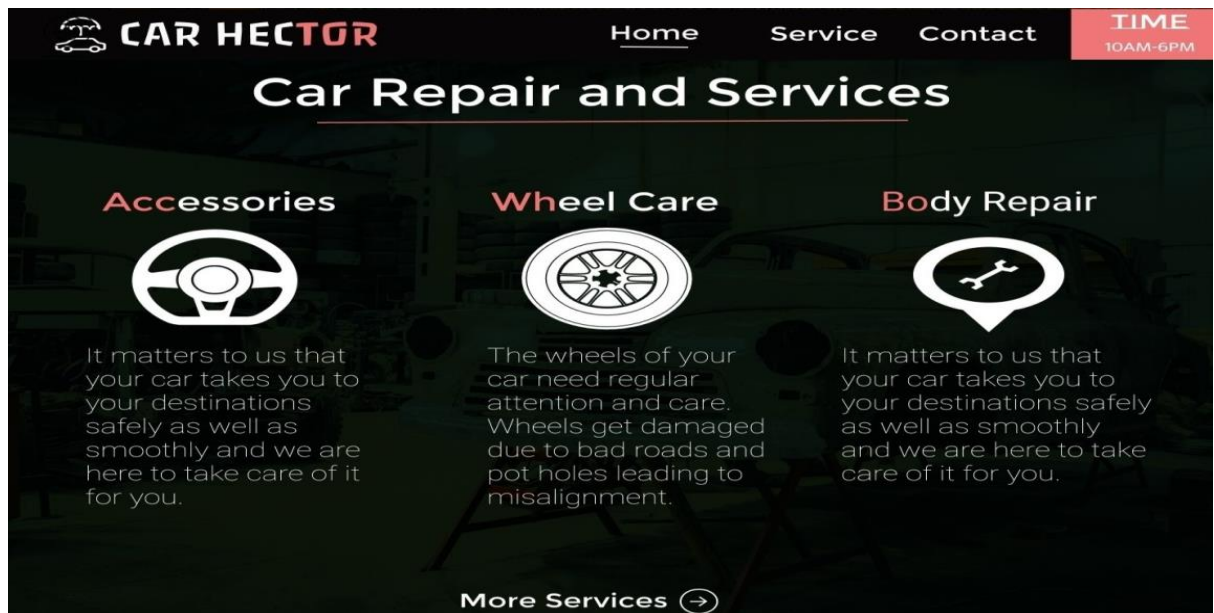
Website screenshot:

The background image of both the screenshots is changed and the another change is in the logos that mentioned under accessories, wheel care and body repair, respectively. And also, there is a difference in color and font styling in both screenshots.

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Figma Wireframe:

Website Screenshot:

The contact page in wireframe and in website screenshot, has also contains some changes. The navbar changes, I already mentioned in first webpage. There is a change in background image, color and the styling of font. I mentioned some other follow us link in this page. E.g. in wireframe, there are only three follow us links (facebook, twitter and instagram), but in the webpage screenshot there are five links(facebook, twitter, you tube, linkedin, and insagram).

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There are two another webpages which I did not design in my figma wireframs. Actually these are the blogs that include backend. There are two another pages offers and service centers are also mentioned in the website.
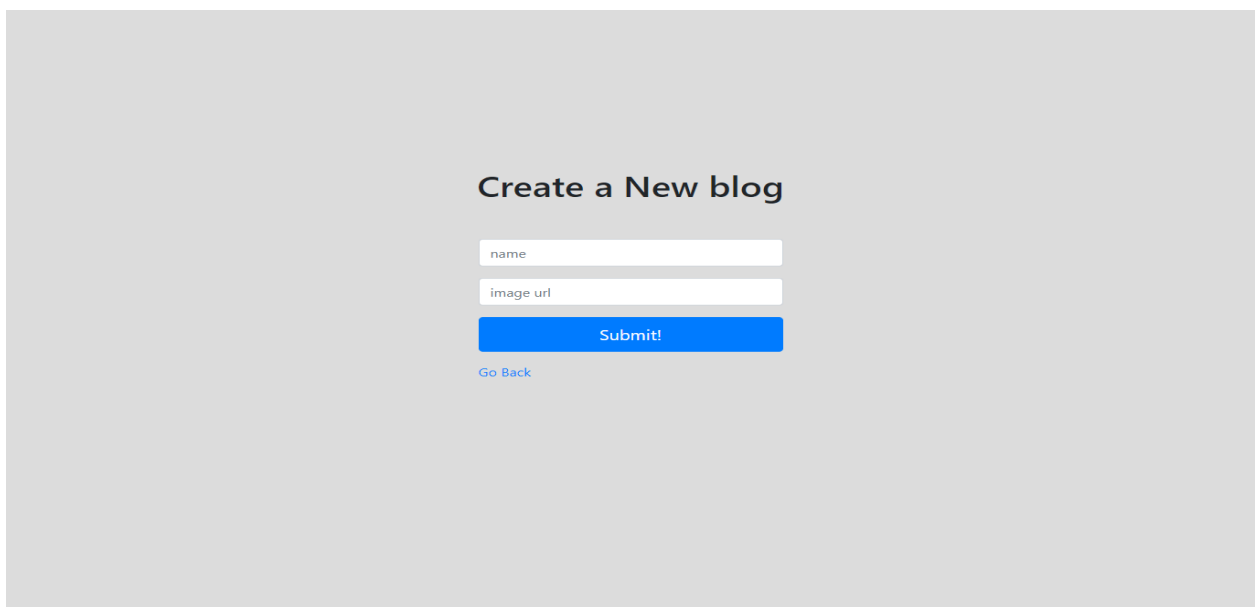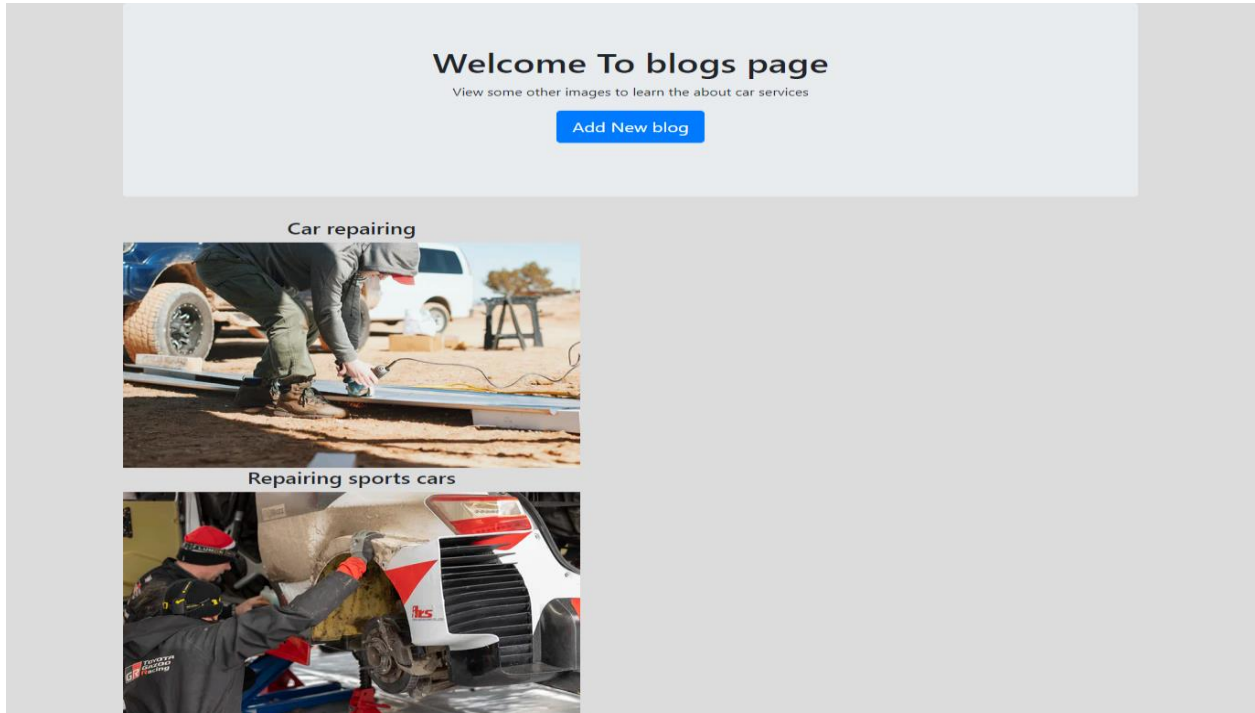
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Section 3

Instructions to run the project in GoormIDE:-

Container:

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In order to run the project successfully in GoormIDE is to make sure that you are in "info1213project" directory. Point to noted make sure that if you are on the root path then instead of this run the command "cd/workspace/info1213project. After running this command, you are finally in the info1213project directory. Now run the command "node app.js" in the terminal in order to start the server.

Apart from this, I will share the link through the goorm, which helps you to see the coding of frontend and backend. The mentioned a link of my goorm project that can help you to see all the coding in GoormIDE.(https://goor.me/kcwDt)

I have mentioned a link below, which helps you to easily go to my actual website.

https://info1213project.run-ap-south1.goorm.io/

You can also get this link in the GoormIDE container to go to the project file and then click on the Running URL and Port. Then yu see the following page, and can get the link ffrom this page and if you want then change the URL from this page.

Website:
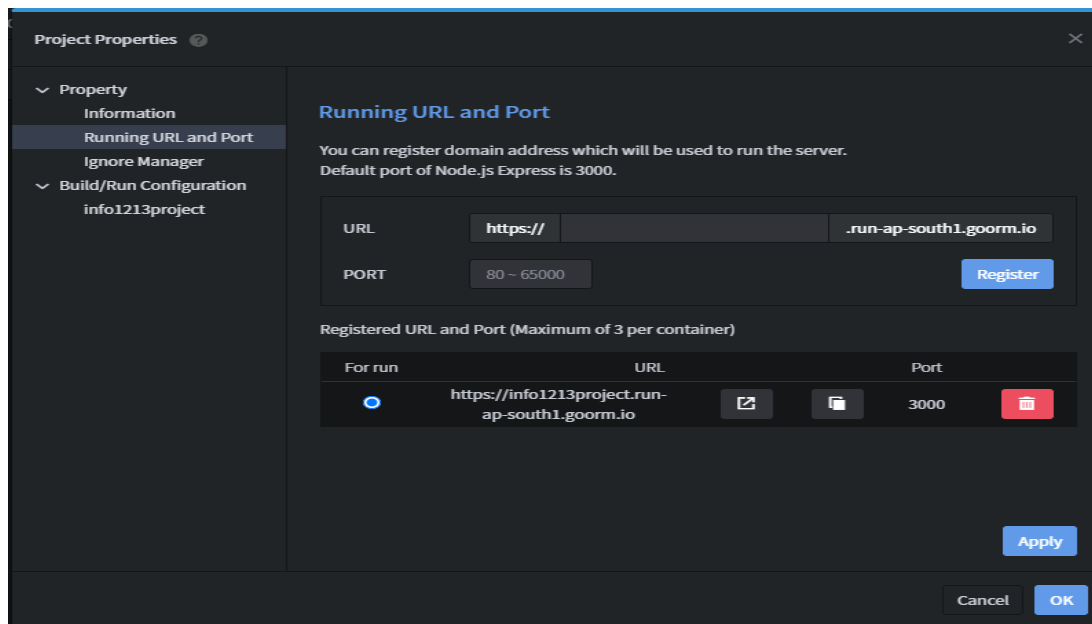
After visiting https://info1213project.run-ap-south1.goorm.io/ link. And for the landing page is opened by "/" route. For going to other pages you can use navbar or you can access the advantages page via "/advantages.ejs", services page via "/services.ejs" and the contact page via "/contact.ejs". On the advantage page you can see the blog button at the left end of the screen. once you click it then

it goes for "/blogs" route. In blogs page there is also another button for adding some other blogs. If you once clicked this button then you go to the "/blogs/new" route. you can do it manually by adding routes or by just simple clicking the button.
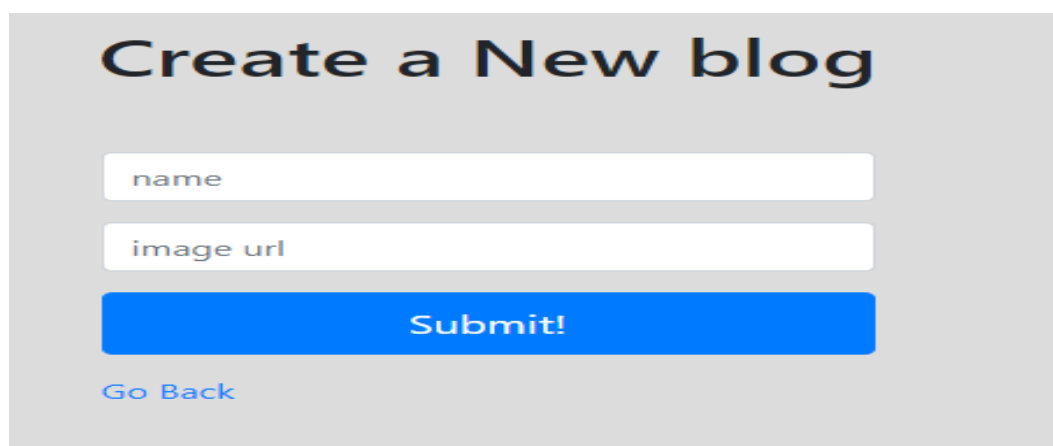
- The below mentioned buttons, you can see on the advantages page on my website, by clicking these different pages you can go to the different pages.
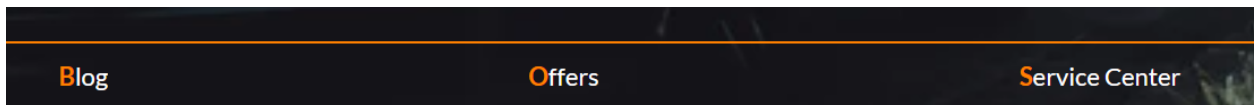
- After clicking the blogs button, you will go to the page, where you can add a new blogs, instruct in below screenshot.
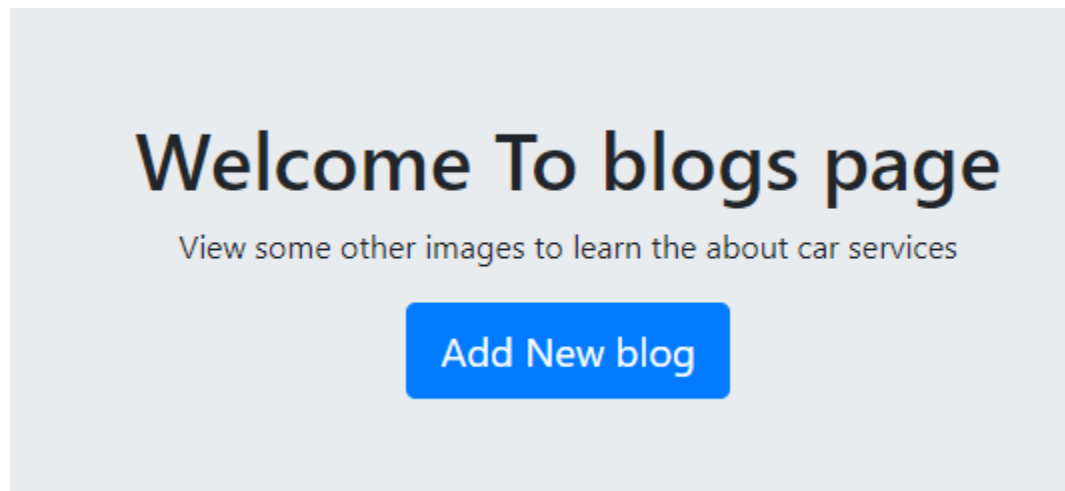
- After clicking on "Add New blog" you can go to the form page where you can add another blog. when you click submit then your new created blog will show on the blogs page.

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Section 4:

Features Explanation:-

To initiate the backend, the below mentioned express app is must and other than that I used bodyParser, that can be used when there is a form from which you would like to extract data on the server side.

```
var express = require("express");
var app = express();
var bodyParser = require("body-parser");
```

The blow mentioned coding is all about the blogs that I already mentioned I in my website, but the another blogs could be added by anyone.

```
var blogs = [
        {name: "Car repairing", image: "https://images.unsplash.com/photo-1554863677-c17f15f7554d?ixlib=rb-
1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=500&q=60"},
        {name: "Repairing sports cars", image: "https://images.unsplash.com/photo-1579966434883-d4648fdc7853?ixlib=rb-
1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=500&q=60"},
];
```

The template an EJS are also required for working the server side. The below mentioned bodyParser is required that anyone can add the now thing in the website. Another thing is app.set("view engine", "ejs"); is used to shortly connect all the pages to the routes.

```
app.use(bodyParser.urlencoded({extended: true}));
app.set("view engine", "ejs");
```

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There are some routes that can help you to go to next page. I mentioned some of the routes in my course project that are shown below.

```
app.get("/", function(req, res){
    res.render("front");
});

app.get("/services.ejs", function(req, res){
    res.render("services");
});
app.get("/advantage.ejs", function(req, res){
    res.render("advantage");
});
app.get("/contact.ejs", function(req, res){
    res.render("contact");
});
app.get("/center", function(req, res){
    res.render("center");
});
app.get("/offers", function(req, res){
    res.render("offers");
});
```

The another below mentioned blog routes are for blogs that I mentioned in my course project to add new blogs. The uerrs can add some another blogs with the help of the blogs option in my website. To serve this thing I used below mentioned functions to add new blogs:

```
app.get("/blogs", function(req, res){
    res.render("blogs", {blogs:blogs});
});

app.post("/blogs", function(req, res){
    var name = req.body.name;
    var image = req.body.image;
    var newblogs = {name: name, image: image}
    blogs.push(newblogs);
    //redirect back to campgrounds page
    res.redirect("/blogs");
    })

app.get("/blogs/new", function(req, res){
    res.render("new");
});
```

To listen the server side the listen request is required which I used in backend:

```
app.listen(3000, function(){
    console.log("Course project has started!!");
});
```

Course Project

Content Explanation:-

Landing Page:

The website contains background image with a light opacity and at the top of this page there is a navbar which contains the brand name of the business and also help the users to go to the services, advantages and contact page. The landing page would also consist a tag line 'Focus on the shine, let the dirt flow'. Along with this, there would also two buttons below the tag line for getting deal and the appointment. I used these above mentioned features via the GoormIDE.

I mentioned these feature on the front page which is landing page of website. I used these features to alluring the people (who open or browse the website) towards the design and the services of the website and business, respectively.

Services Page:

This webpage contains all the services that the business provides to the customers. There is a background image in the website. The three cards would be mentioned for writing services such as accessories, wheel care and body repair. There is a small button at the end of the page for more services. The navbar working same as I mentioned above in the landing section

Business advantages page:

The car service business provides many advantages to the customers. There is a background image for this page. And there is also four sections for advantages of this business such as 24 X 7 booking, quality spares, affordability and pick and drop facilities for the customers. The four different logos would be also mentioned for assisting the user who visits this website for the first time to know more about these advantages. The blogs, offers and the services centers would be a link mentioned at the bottom of the this page, for assisting the visitors to know more about the other new offers and feedbacks for the business and other services centers that would be linked with this business.

The blogs button is used as backend. There are some car services images and in it and a button in also in it to add new images and the services for assisting us to better use different kind of services.

Contact Page:

Likewise the other pages, the contact page also has a navbar that helps the users to know about the different pages in it. The address of the shop is also given on the contact page, which can help the users to

reach at the place of shop. The users can fill the form to contact with us for more details. The users have to fill all the details that given in the form and then submit the form. There are three links at the end of this page for following us. The users can also follow us on the instagram, linkedin, you tube, twitter and facebook to know more about our services.

Blogs: This is the link in advantage page, which contains some images that are captured by the customers and then they share some images on the blog page. There is a jumbotron at the top of the webpage and it contain a paragraph about the blog and a heading about blogs. There is also a button to add some other images in blogs. After that there is the space for blogs. All the blogs that are captured by customers are contained at the bottom of jumbotron.

Offers: This link is also at the bottom of the advantages page. In this page there are some offers provide to the customers, which comes in handy for them. The three offers are normal, super an gold that given to our customers. There are three cards for different offers and the button "GET" is also in the cards for subscribe the offer. In the footer portion, we have five different social links for making the experience better, and contact with them our business. These social links help to customers with our latest offers.

Service Center: This link is also located at the bottom of the advantages page. Once you click this link then you go to the service center, which provide you to knowledge about some other service centers available at different place. There are two address tags used to mention the address of other two service centers. I used this information to just because of the convenience of the customers. In the footer portion, we have five different social links for making the experience better, and contact with them our business. These social links help to customers with our latest offers.