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INTERNSHIP REPORT

ON

“Grequo-Platform for EV Enthusiasts”

Bachelor of Engineering

In

Computer Science and Engineering

Submitted by: PadmaPrasad HM (4SU18CS054)



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ABOUT THE COMPANY

IC Solution (ICS) is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At **ICS**, we believe that service and quality is the key to success.

We provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that you may have. Experience the service like none other!

Some of our services include:

Development - We develop responsive, functional and super-fast websites.

We keep User Experience in mind while creating websites. A website should load quickly and should be accessible even on a small view-port and slow internet connection.

Mobile Application - We offer a wide range of professional Android, iOS & Hybrid app development services for our global clients, from a start up to a large enterprise.

Design - We offer professional Graphic design, Brochure design & Logo design. We are experts in crafting visual content to convey the right message to the customers.

Consultancy - We are here to provide you with expert advice on your design and development requirement.

Videos - We create a polished professional video that impresses your audience.

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Overview of the Project

Project Name: “Grequo-Platform for EV Enthusiasts”

Team Members: Member1: Nisha Joshal Pinto

Member2: Neola Sendril Dias

Member3: PadmaPrasad HM

Member4: Nithin Thomas

This project is based on Web Development And its Applications. The main objective of this project is to learn the implementation of HTML, CSS and JavaScript. The basic webpage of this project is created using HTML and styling of the webpage is done using CSS.

This page is about the latest helpful automobiles called “Electric vehicles”.

About Grequo

Grequo is a question-and-answer website where people go to find the information about EVs.

Every piece of content on the site is generated by users, meaning it is created, edited and organized by the same people that use the website(users).

As electric cars become less expensive and widely available, more people are interested in buying them. There are many reasons – aside from the environmental benefits – to switch to an EV, such as superb efficiency, cheaper energy costs, less maintenance, and better overall performance.

People will demand for buying and also, they will have questions regarding EVs because it is new thing nowadays.

So, we developed this website to resolve their problems easily and content fully by the users.

Importance and main usage of EV

Cheaper to run:

The cost of the electricity required to charge an EV is around 40% less than the cost to use petrol for a similar sized vehicle driving the same distance¹. The cost will be lower if you charge your EV from your solar PV system or at free charging stations.

Cheaper to maintain:

A Battery Electric Vehicle (BEV) has fewer moving parts than a conventional petrol/diesel car. Servicing is relatively easy, less frequent and overall cheaper than a petrol/diesel vehicle.

All EV batteries degrade (become less efficient). Most car manufacturers warrant EV batteries to not degrade below a certain level for around eight years. It may become necessary to replace a battery in an EV in the time you own it.

Plug-in Hybrid Electric Vehicles (PHEVs) also have a petrol or diesel engine that needs servicing, so a PHEV will cost more to maintain than a BEV.

Better for the environment:

Less pollution: By choosing to drive an EV you are helping to reduce harmful air pollution from exhaust emissions. An EV has zero exhaust emissions, but still creates a degree of greenhouse gas emissions when it is charged from the electricity grid.

Renewable energy: If you have a solar PV system and charge your EV during the day, you can reduce your greenhouse gas emissions even further. Another way is to purchase Greenpower from your electricity retailer. Then, even if you recharge your EV from the electricity grid, your electricity is coming from renewable energy sources.

Better for our health:

Reduced harmful exhaust emissions is good news for our health. Better air quality will lead to less health problems and costs caused by air pollution³. EVs are also quieter than petrol/diesel cars, which means less noise pollution.

Better for our energy security:

On a national level, EVs can help with Australia's liquid-fuel energy security. At present, Australia is highly dependent on other countries for petroleum imports.

EVs are easy to power from local and renewable energy sources, reducing our dependence on foreign oil. EV's will be unaffected if fuel supplies to Australia are ever disrupted or fuel costs increase significantly.

TOOLS USED

Software Requirements:

- Visual Studio Code 2019.
- Google Chrome or Microsoft Edge of latest version.
- Front End: HTML, CSS.
- Linux 7.1 or Windows XP/7/8/10 OS or Mac OS.

Hardware Requirements:

- Processor: Intel i5 Core Processor
- Clock speed: 2.20GHz
- Monitor: 1080p Resolution
- RAM: 8GB

IMPLEMENTATION

Source Code: -(p1.html)

```
{ % load static % }

{ % load tags % }

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0,
shrink-to-fit=no">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93
hXpG5KkN" crossorigin="anonymous"></script>

<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvf
a0b4Q" crossorigin="anonymous"></script>

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/d
AiS6JXm" crossorigin="anonymous">

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PV
CmYl" crossorigin="anonymous"></script>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.min.css" integrity="sha512-
```

1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY6wYHN3yt9PW0
XpSriVlkMXe40PTKnXrLnZ9+fkDaog==" crossorigin="anonymous" />

<link rel="stylesheet" href="{ % static 'styles/app.css' % }" type="text/css"/>

<title>

{ % block title % } { % endblock % }

</title>

</head>

<body>

<nav class="navbar navbar-dark navbar-expand-md fixed-top">

Grequo

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbar1">

</button>

<div class="collapse navbar-collapse" id="navbar1">

<ul class="navbar-nav mr-auto">

<li class="nav-item">

<i class="fas fa-
home"></i> Home

{ % if request.user.is_authenticated % }

<li class="nav-item"><a class="nav-link" href="{ % url 'quora:ask_question'
% }"><i class="fas fa-edit"></i> New Question

<li class="nav-item"><a class="nav-link" href="{ % url 'quora:show_fav_ques'
% }"><i class="fas fa-star"></i> Favourites

```

{% endif % }

</ul>

{% if request.user.is_authenticated % }

<ul class="nav navbar-nav navbar-right">

<li class="nav-item">

<a class="nav-link" href="{% url 'quora:profilepage' username=user.username
% }">

{% if request.user.profile.photo % }



{% else % }



{% endif % }

{ { request.user } }

</a>

</li>

<li class="nav-item"><a class="nav-link" href="{% url 'quora:user_logout'
% }"><i class="fas fa-sign-out-alt"></i> Logout</a></li>

</ul>

{% else % }

<ul class="nav navbar-nav navbar-right">

<li class="nav-item"><a class="nav-link" href="{% url 'quora:user_login'
% }"><i class="fas fa-sign-in-alt"></i> Login</a></li>

<li class="nav-item"><a class="nav-link" href="{% url 'quora:register' % }"><i
class="fas fa-user-plus"></i> Register</a></li>

```

```

</ul>
{ % endif % }
</div>
</nav>
<div class="jumbotron jumbotron-fluid">
<div class="container container-fluid">
{ % block content % }
{ % endblock % }
</div>
</div>
<footer class="footer">
<a class="nav-link" href="{ % url 'quora:contact' % }" style="color: white;"><i
class="fas fa-sign-in-alt"></i> Contact Us</a>
</footer>
<script type="module"
src="https://unpkg.com/ionicons@5.1.2/dist/ionicons/ionicons.esm.js"></script
>

<script nomodule=""
src="https://unpkg.com/ionicons@5.1.2/dist/ionicons/ionicons.js"
HYPERLINK
"mailto:src=%22https://unpkg.com/ionicons@5.1.2/dist/ionicons/ionicons.js%2
2%3E%3C/script"> HYPERLINK
"mailto:src=%22https://unpkg.com/ionicons@5.1.2/dist/ionicons/ionicons.js%2
2%3E%3C/script"< HYPERLINK
"mailto:src=%22https://unpkg.com/ionicons@5.1.2/dist/ionicons/ionicons.js%2
2%3E%3C/script"/script>
<script src="{ % static 'scripts/app.js' % }"></script>
</body>
</html>

```

Source Code:- (p1.css)

```
. navbar {  
    background-color: #2b0000;  
}
```

```
#id {  
    display: inline-flex;  
    vertical-align: middle;  
}
```

```
.container {  
    padding-top: 77px;  
}
```

```
. footer {  
    position: fixed;  
    left: 0;  
    bottom: 0;  
    width: 100%;  
    background-color: #2b0000;  
    color: white;  
    text-align: center;  
    text-transform: uppercase;  
}
```

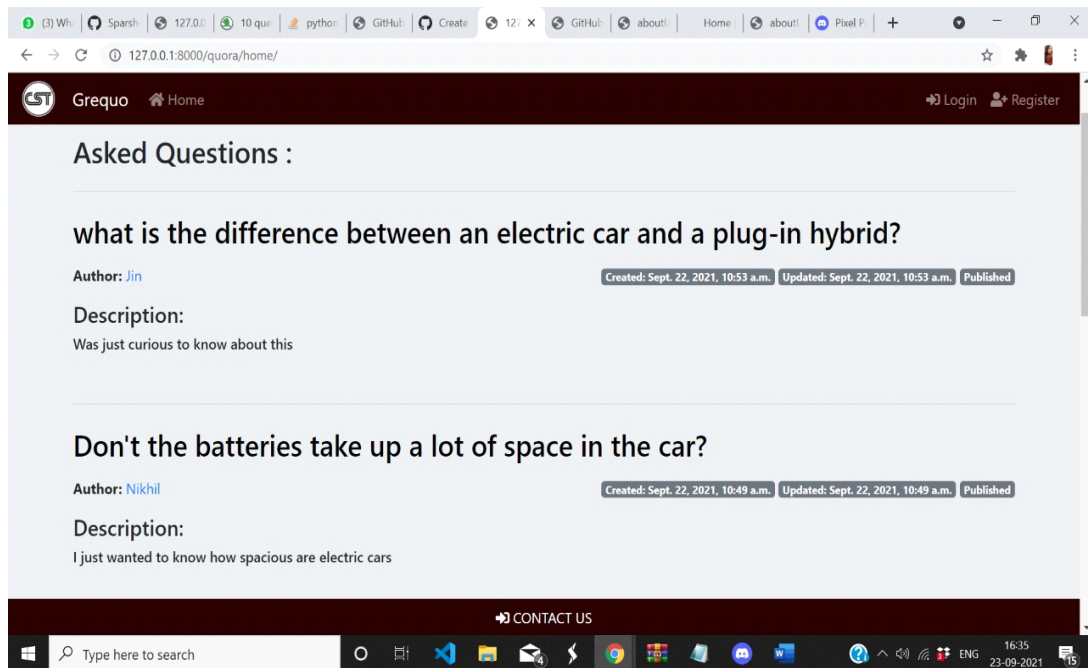
```
. footer p{  
    padding-top: 10px;
```

```
}
```

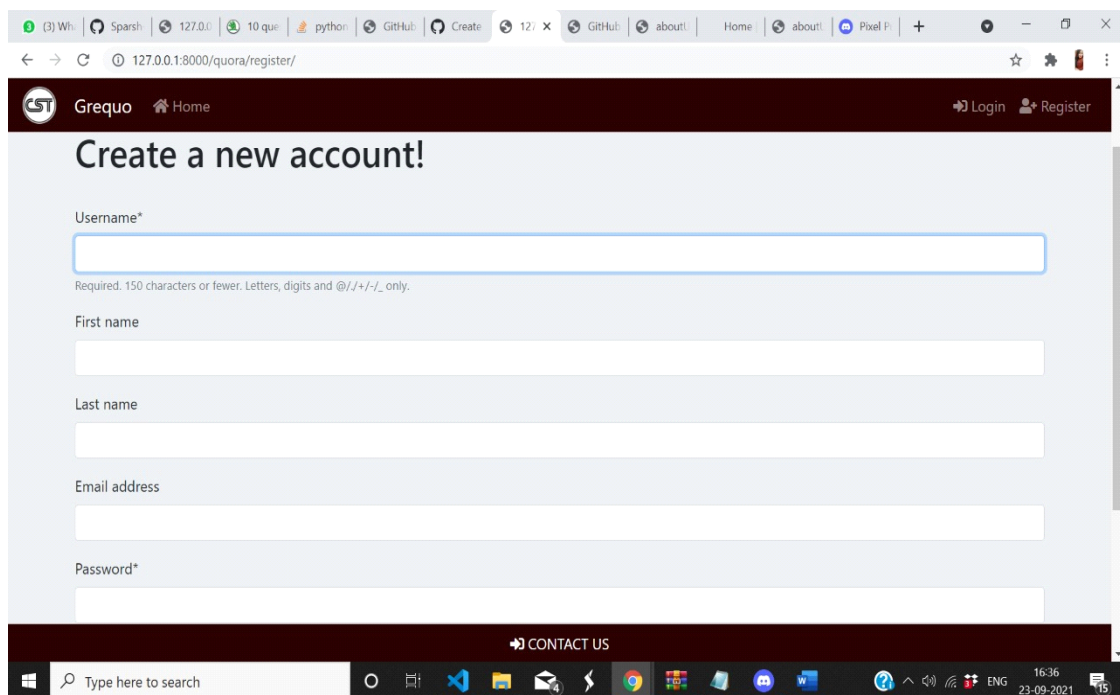
```
. reaction {  
  display: flex;  
  flex-direction: row;  
  flex-wrap: wrap;  
}  
  
. reaction form {  
  padding-right: 5px;  
  padding-bottom: 15px;  
}
```

```
.btn-outline-warning {  
  color: orange;  
}
```

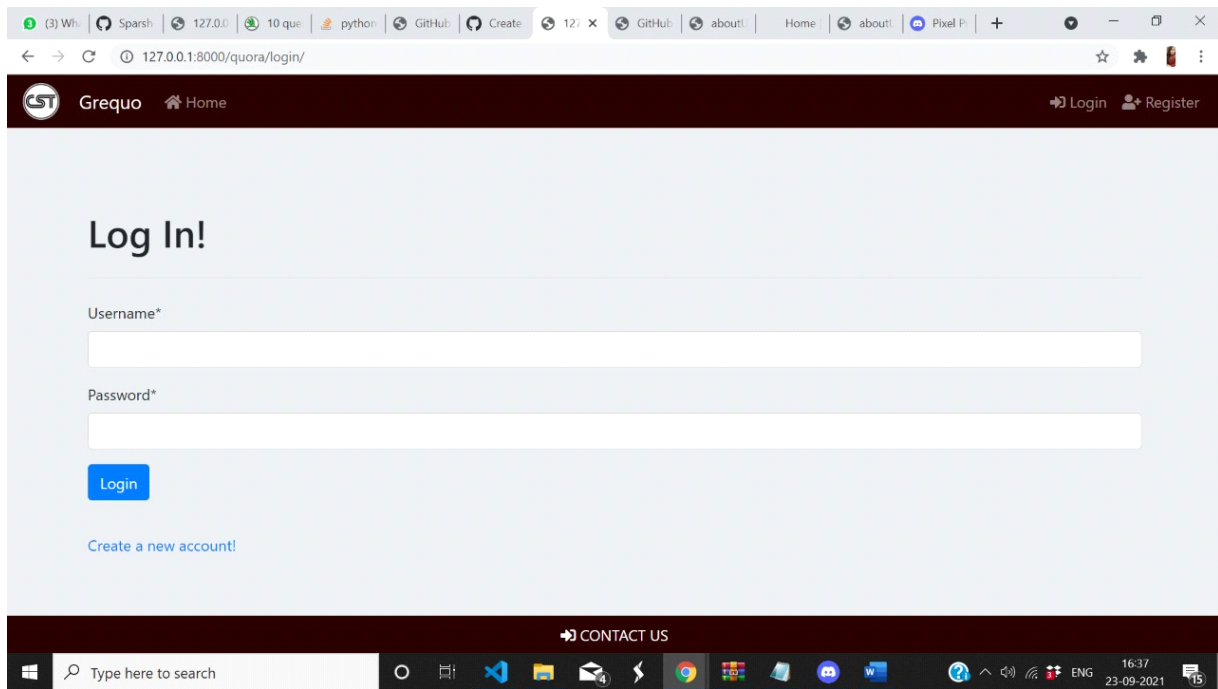
SNAPSHOTS



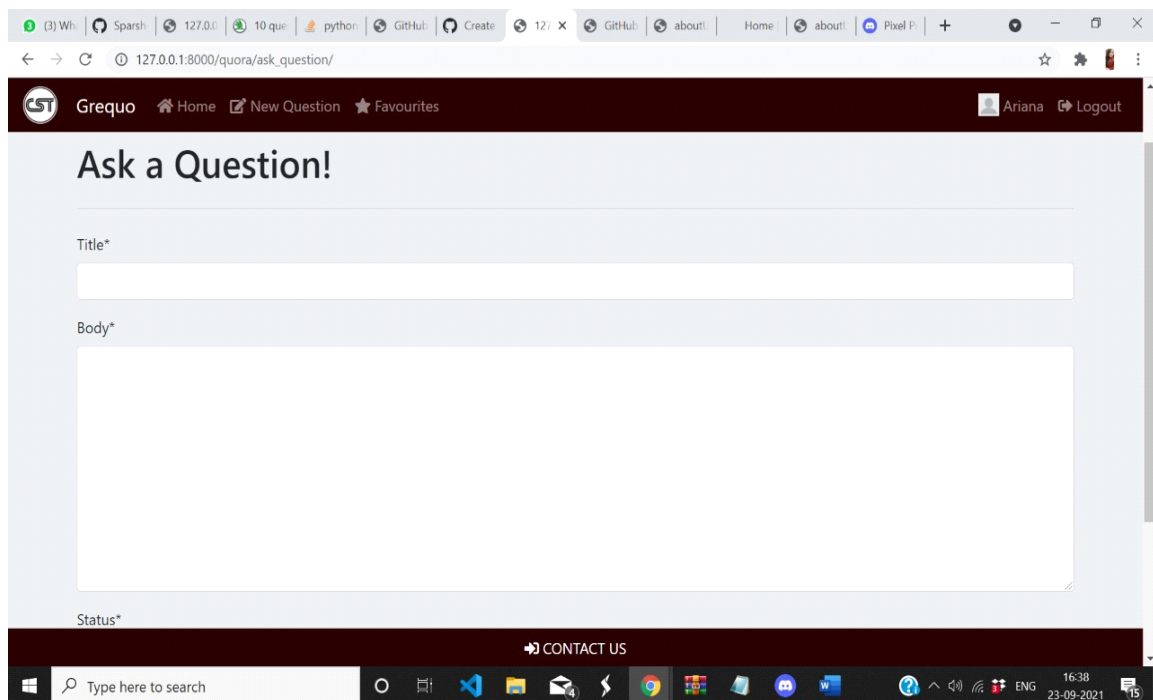
1.Home Page



2.Creating account



3.Login page



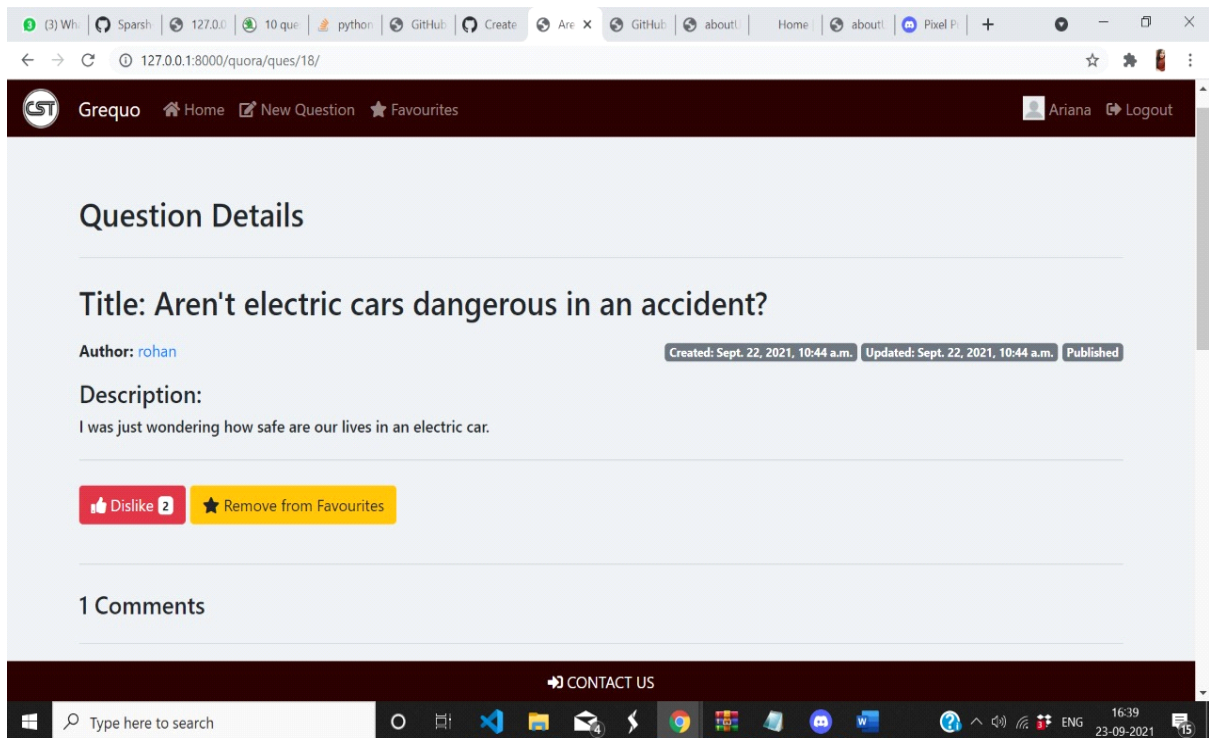
4.Asking question page

The screenshot shows a web browser window with the URL `127.0.0.1:8000/quora/ask_question/`. The page has a dark red header with the Grequo logo, navigation links (Home, New Question, Favourites), and a user profile (Ariana) with a Logout button. The main content area is titled 'Ask a Question!' and contains a form with the following fields: 'Title*' (a single-line text input), 'Body*' (a multi-line text area), and 'Status*' (a dropdown menu currently set to 'Draft'). Below these fields is a checkbox labeled 'Restrict comments' and two buttons: 'Ask' (green) and 'Reset' (grey). At the bottom of the page, there is a 'CONTACT US' link and a Windows taskbar with the system clock showing 16:39 on 23-09-2021.

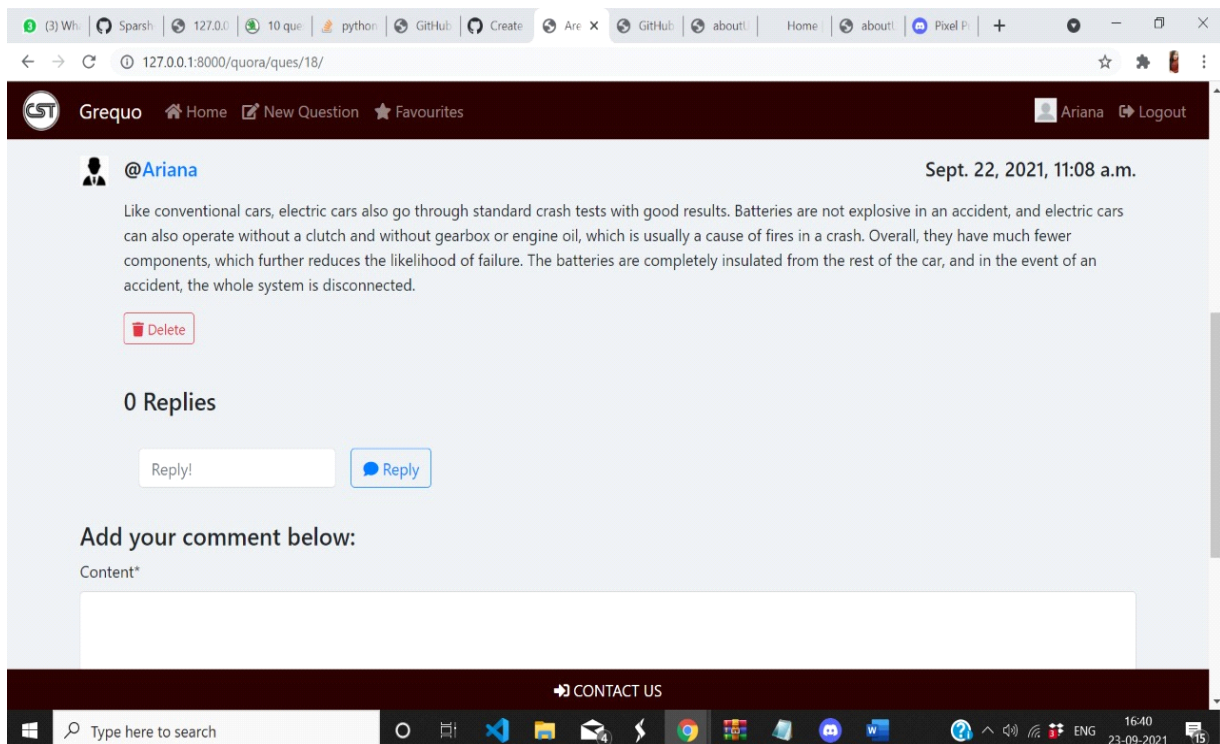
5. Asking question and reset

The screenshot shows a web browser window with the URL `127.0.0.1:8000/quora/show_fav_ques/`. The page has the same dark red header as the previous screenshot. The main content area is titled 'Favourite Questions' and displays a single question: 'Aren't electric cars dangerous in an accident?'. The question is attributed to 'Author: rohan' and includes metadata: 'Created: Sept. 22, 2021, 10:44 a.m.', 'Updated: Sept. 22, 2021, 10:44 a.m.', and 'Published'. The description of the question is 'I was just wondering how safe are our lives in an electric car.' At the bottom of the question card, it says '** That's it! **' and '— You've scrolled to the end of the List!'. Below the question card is a 'CONTACT US' link and a Windows taskbar with the system clock showing 16:39 on 23-09-2021.

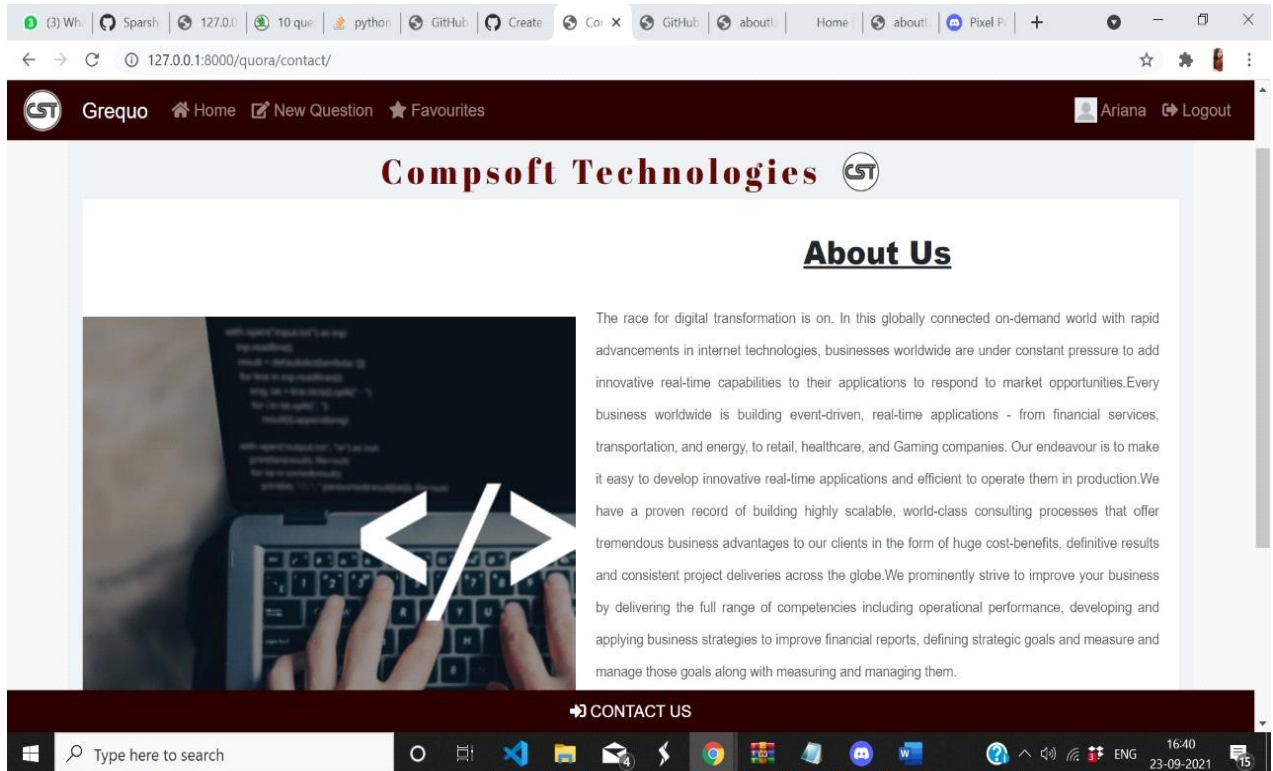
6.FAVOURITE QUESTIONS



7.Question details



8.Replying or answering to the question



9.About us page

BIBLIOGRAPHY

For more information regarding EV, visit these websites and get more reference regarding EV.

- <https://journals.sagepub.com/doi/full/10.1177/0972262919875548>
- [http](http://www.eia.gov/electricity/monthly/) HYPERLINK
"http://www.eia.gov/electricity/monthly/" ://www.eia.gov/electricity/monthly/
- <https://www.irena.org>

ROLE

FRONT END :

PadmaPrasad HM

Nithin Thomas

BACK END :

Nisha Joshal Pinto

Neola Sendril Dias