COMPSOFT TECHNOLOGIES

VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI – 590 018.



AN INTERNSHIP REPORT ON

"QES" (QUORA FOR ENGINEERING STUDENTS)

Bachelor of Engineering

In Information Science and Engineering

Submitted by: Sangamesh Mulimani (2KD17CS063)



K.L.E. Society'sK.L.E. College of Engineering and Technology, Chikodi – 591201

ABOUT THE COMPANY

They are a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses, they believe that service and quality is the key to success

They provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that we may have.

Experience the service like none other!

Some of their services include:

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OVERVIEW OF THE PROJECT

Project Name: QES

Team Members: Shreyanka Kamadhen

Shruti Ballurgi

Sangamesh

Mahaning Nilajagi

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 webpage is about QES. QES is a place to gain and share knowledge.

It's a platform to ask questions and connect with people who contribute unique

insights and quality answers.

5

1

ABOUT QUORA

QUORA is an American social question and answer website based in Mountain View, California. It was founded on June 25, 2009, and made available to the public on June 21, 2010. Users can collaborate by editing the questions and commenting on answers that have been submitted by other users.

ABOUT QES

QES is a place to gain and share knowledge. It's a site, where engineering students can use. This site helps the engineering student to gain knowledge. This site enables the student to ask questions and get the answers. It's a platform to ask questions and connect with people who contribute unique insights and quality answers.

It's a platform to ask questions and connect with people who contribute unique insights and quality answers. QES is a question and answer website for engineering students.

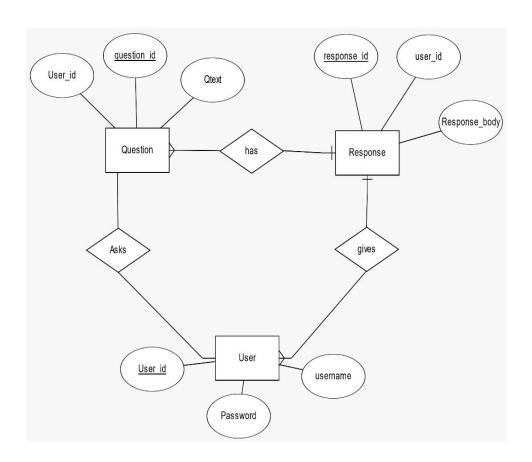
QES features questions and answers on a wide range of topics in academic and non-academic questions and answers would make the engineering community better. It's a community-based platform which helps bypass the location barrier for Engineering students.

PROPOSED METHOD

This system is to provide user comfortable environment for users to add or ask questions. Also, for other users to respond or answer the question or to add the comment.

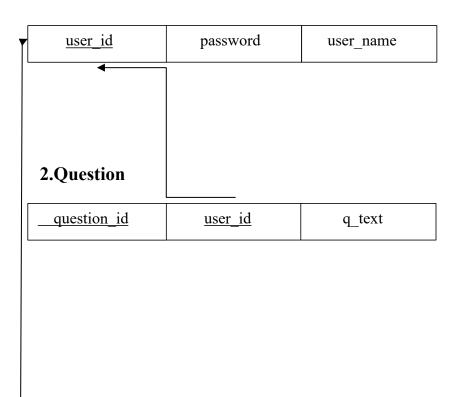
In this, the dashboard will be containing the number of questions asked by the engineering students. Other students can register if he is a new user. After registering they can answer the question based on their knowledge. Other students or the users can upvote or downvote the answers.

ER DIAGRAM



SCHEMA DIAGRAM

1.User



3. Responses

response_id	user_id	response_body
-------------	---------	---------------

TOOLS USED

Software Requirements

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

Hardware Requirements

- Pentium 200-MHz computer with a minimum of 64 MB of RAM (128 MB of RAM recommended).
- Monitor with a refresh rate of at least 40Hz for a smooth GUI experience (optional).

IMPLEMENTATION

Source Code response.html:

```
<blockquote id="{{response.id}}">
 <div class="response-body"> {{response.body}}</div>
  <div class="updates">
    <div class="votes">
    <button class="up-vote"</pre>
onclick="handleUpVote({{response.id}})">upvote</button>
    <h6 id="upvotes">0</h6>
    <button class="down-vote"</pre>
onclick="handleDownVote({{response.id}})">downvote</button>
    <h6 id="downvotes">0</h6>
    {% if user.is_authenticated %}
      <button class="reply-button"</pre>
onclick="handleReplyButton({{response.id}})">reply</button>
   {% endif %}
    </div>
<div class="response-author"> ans by
  {{response.user.username}} at{{response.created at}}</div>
</div>
    <blockquote id="reply-form-container-{{response.id}}" class="reply-form-</pre>
container">
      {% csrf token %}
      <form class="reply" method="post" action="/reply" >
        {% csrf token %}
<input type="hidden" name="question" value="{{question.id}}"/>
<input type="hidden" name="parent" value="{{response.id}}"/>
{{response_form.body}}
<button type="button"</pre>
onclick="handleCancelReply({{response.id}})" class="reply-form-cancel-
button">cancel</button>
<input class="reply-form-submit-button" type="submit" value="Reply">
      </form>
```

</blockquote>

```
{% for children in response.get_responses %}
{% include 'components/response.html' with response=children %}
{% endfor %}
</blockquote>
```

page.html

```
{% load static %}
<!DOCTYPE html>
<html>
 <head>
   <meta charset="utf-8" />
     name="viewport"
     content="width=device-width, initial-scale=1, shrink-to-fit=no"
   k
     rel="stylesheet"
     href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.
css"
     integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
     crossorigin="anonymous"
   />
   <link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Plaster&display=swap"</pre>
rel="stylesheet">
<link rel="stylesheet"
href="https://fonts.sandbox.google.com/css2?family=Material+Symbols+Outlined:ops
z,wght,FILL,GRAD@48,400,0,0" /> <title>QES</title>
   link
     rel="stylesheet"
     type="text/css"
     href="{% static 'main/css/styles.css' %}?{% now 'U' %}"
```

```
/>
   <script src="{% static 'main/js/main.js' %}?{% now 'U' %}"></script>
   <link rel="preconnect" href="https://fonts.googleapis.com">
k rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
 </head>
 <body>
   {% include 'navbar.html' %}
   <div class="container-fluid content" >
       {% block content %}
   {% endblock %}
   </div>
 </main>
   <script
     src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
     integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
     crossorigin="anonymous"
   ></script>
   <script
     src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
     integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
     crossorigin="anonymous"
   ></script>
   <script
     src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js
     integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MguVdAyjUar5+76PVCmYl"
     crossorigin="anonymous"
   ></script>
   <script defer src="https://use.fontawesome.com/releases/v5.0.8/js/all.js"</pre>
integrity="sha384-
SlE991lGASHoBfWbelyBPLsUlwY1GwNDJo3jSJ004KZ33K2bwfV9YBauFfnzvynJ"
crossorigin="anonymous"></script>
```

```
</body>
</html>
```

homepage.html

```
{% extends 'layout/page.html' %}
{% block content %}
<div class="question-title text-center">
    <h4> All Questions</h4>
</div>
{% for question in questions %}
<div class="card-container" ">
  <div class="card justify-content-between">
    <div class="container question1">
      <a class="qtext" href="{% url 'question' question.id %}">
          {{question.title}}</a>
         <hr style="margin: 2px;">
          <div class="body-ellipse" style="font-size: smaller; color:rgb(66,</pre>
74, 83)">{{question.body}}</div>
          <div style="font-size: smaller;</pre>
color:lightslategrey">{{question.created_at}}</div>
        </div>
    </div>
</div>
<hr class="card-hr">
{% endfor %}
{% endblock %}
```

login.html

```
{% extends 'layout/page.html' %}
{% block content %}
<hr style="margin: 20px; border-width: 2px; border-color:rgb(133, 133, 133)">
<div class="page login-page">
<h1 class="title">Login</h1>
<hr style="margin: 20px; border-color:rgb(52, 114, 247)">
<form method="POST" action="" class="login-form">
 {% csrf_token %}
<div class="field-wrapper">
 <label for="{{form.username.id_for_label}}">Username:</label>
 {{form.username}}
 <span class="error">{{form.username.errors}}</span>
</div>
<div class="field-wrapper">
  <label for="{{form.password.id_for_label}}">Password:</label>
 {{form.password}}
 <span class="error">{{form.password.errors}}</span>
</div>
{% if form.non_field_errors %}
<div class="non form errors">
 <span class="error">{{form.non_field_errors.as_ul}}</span>
</div>
{% endif %}
<input type="submit" value="Login" class="submit-button"/>
</form>
</div>
{% endblock %}
```

navbar.html

```
{% load static %}
<nav class="navbar navbar-expand-sm fixed-top">
 <div class="container-fluid">
   <div class="navbar-header">
    <a class="navbar-brand" href="#">
      <i class="fa-light fa-magnifying-glass"></i></i>
      <span class="logo">QES</span></a>
   </div>
   <a <pre>href="{% url 'index' %}" >All Questions</a>
    {% if user.is_authenticated %}
    <a href="{% url 'new-question' %}">Ask
question</a>
 <a href="{% url 'logout' %}">Logout</a>
   {% else %}
   <a href="{% url 'login' %}">Login</a>
   <a href="{% url 'register' %}">Register</a>
 {% endif %}
   </div>
</nav>
```

new-question.html

```
{% extends 'layout/page.html' %}
{% block content %}
<div class="page new-question-page">
  <h1 class="title">Ask question</h1>
<form method="POST" action="" class="new-question-form">
 {% csrf_token %}
  <div class="field-wrapper">
   <label for="{{form.title.id_for_label}}">question</label>
   {{form.title}}
   <span class="error"> {{form.title.errors}}</span>
  </div>
 <div class="field-wrapper">
   <label for="{{form.body.id_for_label}}">Description</label>
   {{form.body}}
   <span class="error"> {{form.body.errors}}</span>
  </div>
 <input type="submit" value="submit" class="submit-button"/>
</form>
</div>
{% endblock %}
```

question.html

```
{% extends 'layout/page.html' %}
{% block content %}
<div class="page question-page">
 <h1 class="question-title">{{question.title}}</h1>
<div class="question-body">{{question.body}}</div>
<span class="question-author">asked by {{question.author}}
  {{question.created at}}</span>
<hr .card-hr>
<div class="response-container">
   <h4 class="response-container-heading">
       Responses
   </h4>
   {% if not question.responses.all %}
   <div class="no-response-text"> No responses yet</div>
   {% else %}
     {% for response in question.get responses %}
       {% include 'components\response.html' with response=response %}
     {% endfor %}
   {% endif %}
</div>
{% if user.is_authenticated %}
<form action="" class="response-form" method="post">
   {% csrf_token %}
   <div class="field-wrapper">
       <label for="{{response_form.body.id_for_label}}"> Your answer</label>
       {{response form.body}}
     </div>
      <input type="submit" value="Send" class="submit-button"/>
</form>
</div>
```

```
{% endif %}
</div>
{% endblock %}
```

register.html

```
{% extends 'layout/page.html' %}
{% block content %}
<div class="page register-page">
 <h1 class="title">Registration</h1>
<form method="POST" action="" class="register-form">
 {% csrf_token %}
 <div class="field-wrapper">
   <label for="{{form.email.id_for_label}}">Email</label>
   {{form.email}}
   <span class="error"> {{form.email.errors}}</span>
 </div>
 <div class="field-wrapper">
   <label for="{{form.username.id_for_label}}">Username</label>
   {{form.username}}
   <span class="error"> {{form.username.errors}}</span>
 </div>
 <div class="field-wrapper">
   <label for="{{form.password1.id_for_label}}">password1</label>
   {{form.password1}}
   <span class="error"> {{form.password1.errors}}</span>
   </div>
   <div class="field-wrapper">
       <label for="{{form.password2.id_for_label}}">password2</label>
       {{form.password2}}
        <span class="error"> {{form.password2.errors}}</span>
       </div>
{% if form.non_field_errors %}
<div class="non form errors">
   <span class="error">{{form.non_field_errors.as_ul}}</span>
 </div>
 {% endif %}
```

```
<input type="submit" value="Register" class="submit-button"/>
</form>
</div>
{% endblock %}
```

form.py

```
from django.contrib.auth.forms import UserCreationForm, AuthenticationForm
from django.contrib.auth.models import User
from django import forms
from .models import Question, Response
class RegisterUserForm(UserCreationForm):
   class Meta:
       model = User
       fields = ['username', 'email', 'password1', 'password2']
       widgets = {
            'email': forms.EmailInput(attrs={
                'required': True,
                'placeholder': 'joe@example.com',
                'autofocus': True
            }),
            'username': forms.TextInput(attrs={
                'placeholder': 'joe',
           })
   def init (self, *args, **kwargs):
       super(RegisterUserForm, self).__init__(*args, **kwargs)
       self.fields['password1'].widget.attrs = {'placeholder': 'password'}
       self.fields['password2'].widget.attrs = {'placeholder': 'confirm
password'}
class LoginForm(AuthenticationForm):
   class Meta:
       fields = ' all '
class NewQuestionForm(forms.ModelForm):
   class Meta:
       model=Question
       fields=['title','body']
       widgets = {
```

models.py

```
from django.db import models,IntegrityError
from django.contrib.auth.models import User
class Question(models.Model):
   author = models.ForeignKey(User, null=False, on delete=models.CASCADE)
   title = models.CharField(max length=200, null=False)
   body = models.TextField(null=False)
   created_at = models.DateTimeField(auto_now_add=True)
   updated at = models.DateTimeField(auto now=True)
   def __str__(self):
       return str(self.title)
   def get_responses(self):
       return self.responses.filter(parent=None)
class Response(models.Model):
   user = models.ForeignKey(User, null=False, on_delete=models.CASCADE)
   question = models.ForeignKey(Question, null=False, on_delete=models.CASCADE,
related name='responses')
```

```
parent = models.ForeignKey('self', null=True, blank=True,
on_delete=models.CASCADE)
body = models.TextField(null=False)
created_at = models.DateTimeField(auto_now_add=True)
updated_at = models.DateTimeField(auto_now=True)

def __str__(self):
    return self.body

def get_responses(self):
    return Response.objects.filter(parent=self)
```

url.py

```
from django.urls import path
from django.conf.urls import url
from . import views

urlpatterns=[
    path('register',views.registerPage,name='register'),
    path('login',views.loginPage,name='login'),
    path('logout',views.logoutPage,name='logout'),
    path('new-question',views.newQuestionPage,name='new-question'),
    path('reply',views.replyPage,name='reply'),
    path('',views.homePage,name='index'),
    path('question/<int:id>',views.questionPage,name='question'),
    ]
```

views.py

```
from django.shortcuts import render,redirect
from django.contrib.auth import login,logout
from django.contrib.auth.decorators import login_required

from .models import Question,Response
from .forms import NewQuestionForm,RegisterUserForm, LoginForm,ResponseForm

def registerPage(request):
```

```
form = RegisterUserForm()
    if request.method =='POST':
        try:
            form=RegisterUserForm(request.POST)
            if form.is_valid():
                user=form.save()
                login(request, user)
                return redirect('index')
        except Exception as e:
            print(e)
            raise
   context = {
         'form': form
   return render(request, 'register.html', context)
def loginPage(request):
   form = LoginForm()
   if request.method == 'POST':
        try:
            form = LoginForm(data=request.POST)
            if form.is_valid():
                user = form.get_user()
                login(request, user)
                return redirect('index')
        except Exception as e:
            print(e)
            raise
   context = {'form': form}
   return render(request, 'login.html', context)
@login_required(login_url='register')
def logoutPage(request):
   logout(request)
   return redirect('login')
@login_required(login_url='register')
def newQuestionPage(request):
   form=NewQuestionForm()
   if request.method == 'POST':
        try:
            form = NewQuestionForm(data=request.POST)
```

```
if form.is_valid():
                question=form.save(commit=False)
                print(request)
                question.author=request.user
                question.save()
                return redirect('index')
       except Exception as e:
            print(e)
            raise
   context={
        'form':form,
   return render(request, 'new-question.html', context)
def homePage(request):
   questions=Question.objects.all().order_by('-created_at')
   context={
        'questions':questions
   return render(request, 'homepage.html', context)
def questionPage(request, id):
   question=Question.objects.get(id=id)
   response_form=ResponseForm()
   if request.method =='POST':
       try:
            response form=ResponseForm(data=request.POST)
            if response_form.is_valid():
                response= response_form.save(commit=False)
                response.user=request.user
                response.question=Question(id=id)
                response.save()
                return
redirect('/question/'+str(id)+'#'+str(response.id))
       except Exception as e:
            print(e)
            raise
   context={
        'question':question,
```

```
'response_form':response_form,
   return render(request, "question.html", context)
@login_required(login_url='register')
def replyPage(request):
    if request.method == 'POST':
        try:
            form = ResponseForm(request.POST)
            if form.is_valid():
                question id = request.POST.get('question')
                parent_id = request.POST.get('parent')
                reply = form.save(commit=False)
                reply.user = request.user
                reply.question = Question(id=question id)
                reply.parent = Response(id=parent_id)
                reply.save()
                return redirect('/question/'+str(question_id)+'#'+str(reply.id))
        except Exception as e:
            print(e)
            raise
   return redirect('index')
```

urls.py

```
"""mywebsite URL Configuration
The `urlpatterns` list routes URLs to views. For more information please see:
   https://docs.djangoproject.com/en/3.2/topics/http/urls/
Examples:
Function views
   1. Add an import: from my app import views
   2. Add a URL to urlpatterns: path('', views.home, name='home')
Class-based views
   1. Add an import: from other_app.views import Home
   2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
Including another URLconf
   1. Import the include() function: from django.urls import include, path
   2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
.. .. ..
from django.contrib import admin
from django.urls import path,include
```

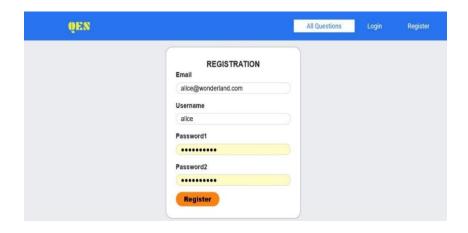
```
urlpatterns = [

path('admin/', admin.site.urls),

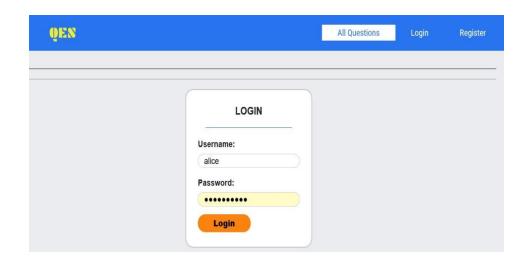
path('', include('main.urls'))
]
```

SNAPSHOTS OF IMPLEMENTATION

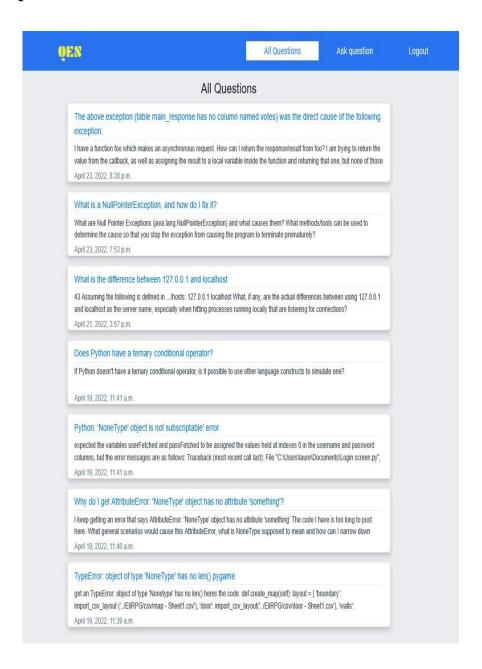
1.Registration form



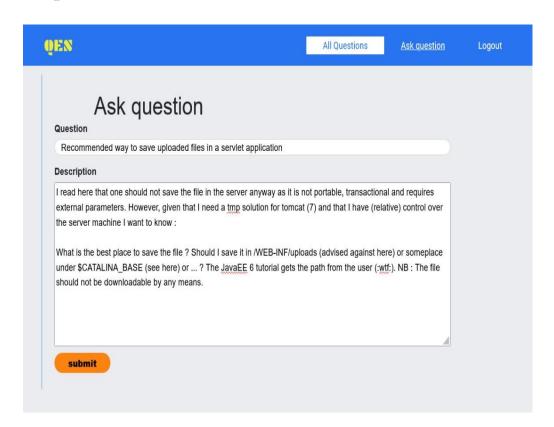
2.Login form



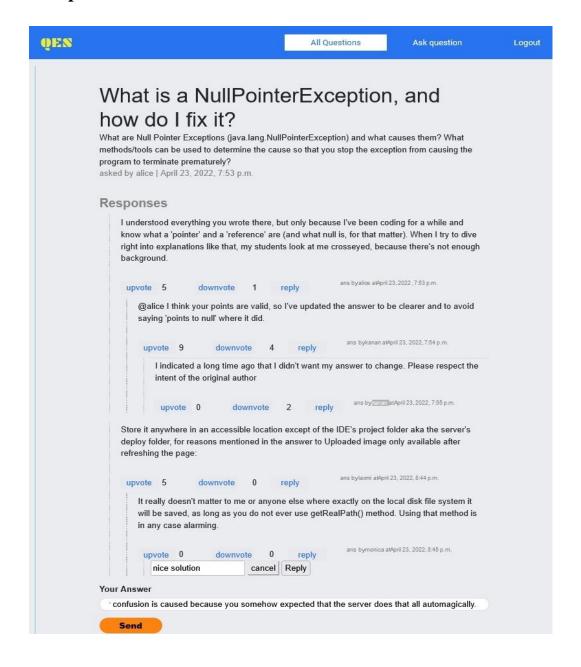
3.All questions



4.Ask question



5. Responses



BIBLIOGRAPHY

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- https://docs.djangoproject.com/en/4.0/ref/databases/
- https://getbootstrap.com/docs/4.0/layout/grid/
- https://docs.djangoproject.com/en/4.0/intro/tutorial01/
- https://www.geeksforgeeks.org/college-management-system-using-django-python-project/
- https://www.geeksforgeeks.org/django-basics/

ABOUT MY TEAM

My team members are:

Shreyanka Kamadhen, Shruti Ballurgi, Sangamesh, Mahaning Nilajagi.

Role played by team:

Shreyanka Kamadhen: Frontend, Backend

Shruti Ballurgi: Frontend

Sangamesh: Login and Registration form frontend

Mahaning Nilajagi: Database and Report