PRO FORMA FOR THE APPROVAL OF THE FOURTH SEMESTER MAIN PROJECT

Main Project Proposal No : 1 *(Filled by the Department)*	Academic Year : 2021- 22 Year of Admission : 2020

1. Title of the Project   :   **UNO: A Web Application using Django**

2. Name of the Guide   :   Prof. K P Balachandran
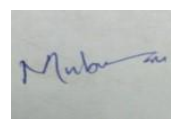
3. Student Details (in BLOCK LETTERS)

Name	Register Number	Signature
MUBASHIRA A	MES20MCA-2029	

Date: 16-04-2022

Approval Status :   Approved / Not Approved

Signature of
Committee Members

Comments of the Guide   Dated Signature

Initial Submission   :

                                                    _____

First Review   :

                                                    _____

Second Review   :

                                                    _____

Comments of the Project Coordinator   Dated Signature

Initial Submission:

                                                      _____

First Review

                                                    _____

Second Review

                                                    _____

Final Comments :

                                                        Dated Signature of HOD

Abstract:

This project revolves around the usage of a web page and its functionalities. Web has been one of the greatest gifts to mankind and we intend to use its fruitful part too. This project inculcates the usage of Python, HTML, Django and Bootstrap. It is designed to facilitate multiple domains of knowledge from a single place as it is often seen that information is highly specific and found only at their respective domain holders. With this project we sought to bridge the gap between different kinds of beneficiaries of knowledge. This platform will facilitate all sort of knowledge from all sort of domains like Travel, Information Sciences, Tech Advancements, Politics to name a few. The availability of platforms like Django, Bootstrap has not only made the process really timesaving but also hassle free. UNO is to be spoken as You Know? to implicate a wave of curiosity among its users as after all it gives answers to their questions. This web application is supposed to feature a wide domain and global applications. From the world of technology to the vast remains of history and the travelogues all around the world sewed at one place. It will also support multi-lingual features and sections. A separate section for current discount coupons and offers from various websites will also be incorporated. Blogs are supposed to be a very descriptive informative view of a particular experience or a problem and with the advancement of modern era they are one of the most vital places of thorough information from someone experienced.

Objectives:

- To help choose high quality answers
- Showcase knowledge
- High visibility
- Answering questions with a blog post

Introduction:

The growing usage of Internet has seen the rise of many blogging websites which provide a wide range of information available to the netizens. Some are for technology geeks, some are for history buffs while some are travelogues. Blogs have become a very efficient method of conveying informative descriptions of a wide range of domains. But it is often found that the presence of a unified platform for multi-oriented knowledge is negligible or scarce. With UNO – pronounced as You Know with a question mark the intent is to generate a charge of curiosity in the user's mind. Moreover as the world is more than just dependent on Internet, the increased usage of blogs and discussion forums has turned out to be quite advantageous and fruitful for mankind.

There are various tools which are incorporated throughout this project. Let's get started with a brief overview of them:

1. Python: "Python is a versatile programming language that can be used for many different programming projects. First published in 1991 with a name inspired by the British comedy group Monty Python, the development team wanted to make Python a language that was fun to use. Easy to setup, and written in a relatively straightforward style with immediate feedback on errors, Python is a great choice for beginners and experienced developers"

2. Django: "It is a free and open-source web framework, which supplant the [MVT] model-view template. Framework makes a point of reusability, less code, rapid development. Reassuringly Secure and Exceedingly Scalable."

3. HTML: HTML refers to Hyper Text Markup Language. This is the basic web language that a web developer has to know. Though to suffice the expectations of modern world HTML alone can not do that. It's combined effect with CSS, JavaScript etc. redefines the beauty of it. It still forms the backbone of web building.

4. Bootstrap: "Bootstrap is "batteries-included", meaning that it brings along with it an incredible responsive Grid system and Base CSS, including extensible classes for implementing and enhancing styling for various elements ranging from typography, buttons, tables, forms, and images to mention a few."

Tools / Platform, Hardware and Software Requirements

HARDWARE SPECIFICATION

- Processor   :   i3
- Hard Disk   :   500 GB
- RAM   :   4 GB

SOFTWARE SPECIFICATION

- Language   :   Python
- Front End   :   Python-Django
- Back end   :   SQLite
- IDE   :   Visual Studio Code
- OS   :   Windows/Linux