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Title: Experience with Bytewise and in 4-month Django course

Introduction:

During the Django Fellowship with Bytewise, I have gained comprehensive knowledge and hands-on experience in building web applications using the Django framework. Over the course of four months, I successfully completed various tasks and projects assigned by our team lead Mr. Abu Bakkar Sattar and came to an end with the development of a Netflix clone using Django. This document aims to compile and summarize the knowledge I have acquired throughout this fellowship.

Learning Outcomes:

During my four-month participation in the Bytewise Fellowship Program, I had the opportunity to dive into the fundamentals of Django, gaining a solid understanding of its key concepts. Through the program, I familiarized myself with Django's models, views, forms, and templates, which enabled me to create dynamic and interactive web applications. Although my Python skills are still developing, I was able to grasp the basics and apply them effectively in Django development. Furthermore, I acquired a good understanding of HTML and CSS, which greatly contributed to my ability to create visually appealing web pages.

Forms: In Django, forms are used to create user-friendly interfaces for capturing and processing data. With forms, I learned how to design input fields, checkboxes, and other elements to collect information from users. By defining form classes and handling form submissions, I was able to validate and process the data efficiently.

Views: Views in Django are responsible for handling user requests and generating appropriate responses. I gained an understanding of how to define view functions or classes that determine what content is displayed to the user. I also learned how to interact with models and forms within views to retrieve data from databases, process form submissions, and render and redirect templates.

Templates: Django's template system allowed me to design the visual layout of my web pages using. I learned how to create dynamic templates by using variables, loops, and conditional statements. Templates allowed me to separate the presentation logic from the backend code, making it easier to maintain and update the appearance of my web applications.

Models: Models in Django provide a way to define and work with the data structure of my web applications. I learned how to create model classes that represent database tables and their relationships. Models allowed me to define fields, such as text, numbers, or dates, and perform database operations like querying, filtering, and saving data.

CSRF Token: The Cross-Site Request Forgery (CSRF) token is a security feature in Django that protects against malicious attacks. I learned how Django automatically generates a unique token for each user

session and includes it in forms. By validating this token upon form submission, Django ensures that the request comes from a legitimate source, preventing unauthorized actions on my websites and ensuring the security of user data.

Conclusion:

In conclusion, my experience with the Bytewise Fellowship Program has been invaluable. I am grateful for the opportunity to learn and explore Django, as well as enhance my proficiency in Python, HTML, and CSS. Undoubtedly, the knowledge and abilities I acquired during the program will act as a launching pad for my future study and professional development in the web development industry.