

BLOG MANAGEMENT SYSTEM USING DJANGO PYTHON

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OVERVIEW

The Blog Management System is a web-based application developed using the Django Python framework. This system is designed to simplify the process of creating, managing, and publishing blog posts on a website. It provides a user-friendly interface for both administrators and authors to efficiently manage and organize their blog content.

When Opening the Web-Application its Homepage Includes Links to Home, Categories, and Admin. In the Main Home Page We can see The Latest Blogs in an Attractive Design. The Latest Blogs That are Ready to Read for the Users. Every Blog Have a Thumbnail (a Poster for the Blog to Attract the Readers), Also Indicate the Category of the Blog and the Name of the Blog. When Click on Any Blog the User can View the Blog Heading Highlighted and its Category below to the Heading. After all this the Blog Contents Starts, we can Include Any Images That are Related to the Blog Contents for Better Understanding.

OVERVIEW

When Click on the Category Panel, There We can Find All the Blogs Under Different Category (Published Blogs) That are Currently Available in the Site. User can Select Blogs from the List and Read.

When Click on the Admin Panel, We Redirect into an Authentication Interface (The Django Administration Panel) Where We can Login to the Admin Panel Using Admin's Username and Password. Admins are the Blog uploaders, also admin can Manage on adding the blog categories and posts. In Category Section Admin can add new Category also Delete or Update an Existing Category. In Post Section Admin Can Search an Existing Post and edit (its Poster, Title, Author Name, Category, Blog Contents) or delete Completely.

OVERVIEW

When Adding a New Blog We Can Choose the Poster, Title, Author Name and Category. In Authentication Section Admin Can View all Other Creators (Admins) Whose are Accessing the Blog Administration, Also Admin can Search From it to Perform Any Action (Like Delete non-Active Creators or Update Details). Admin can Update Their Own Password (By Using the Current Temporary Password Information) to improve Security. Also Because of Django Site Administration Panel We Get an Extra Function Like Managing Groups.

The admin can see the Recent Actions That Are Performed In the Admin Panel Like Posted/Deleted/Updated a new Blog, Category etc.

OVERVIEW

FUNCTIONALITY:

1.ADMIN

- Login
- Category(View,Add,Update,Delete)
- Post(View,Add,Update,Delete)
- Authentication Manage
- Manage Other Creators

2.USER(Readers)

- User Module are the Blog Readers
- User Can Access the Home Page and Blog Panel.
- No Login Required.
- They can View all the Blogs and Read it.

SOFTWARE & HARDWARE REQUIREMENTS

SOFTWARE

- OS : Windows 10
- Front-End : HTML,CSS
- Back-End : Python , MySQL
- IDE : PyCharm
- Framework Used : Django
- VCS : Git

HARDWARE

- Storage : 256Gb HDD
- RAM : 4Gb
- Processor : Intel Core i3-10110U CPU @2.10GHz

PRODUCT BACKLOG

ID	PRIORITY	SIZE (Hours)	SPRINT	STATUS	NAME
1	Medium	3	1	Planned	Form Design
2	Medium	1		Partially Completed	Admin Panel
3	High	4	2	Planned	Table Design
4	High	23		Planned	Coding
5	Medium	4	3	Planned	Testing Data
6	High	6		Planned	Output Generation

PROJECT PLAN

ID	TASK NAME	START DATE	END DATE	PROJECT HOURS	STATUS
1	Sprint 1	15/09/2023	12/10/2023	13	Partially Completed
2	Sprint 2	13/10/2023	03/11/2023	14	Planned
3	Sprint 3	08/11/2023	30/11/2023	14	Planned

SPRINT PLAN

SPRINT 1

Backlog Item	Status and Completion date	Original Estimate in hours	Day 1 15/09	Day 2 20/09	Day 3 21/09	Day 4 28/09	Day 5 29/09	Day 6 04/10	Day 7 05/10	Day 8 06/10	Day 9 11/10	Day 10 12/10
Form Design	15/09/2023	2	2	0	0	0	0	0	0	0	0	0
Table Design	28/09/2023	3	0	1	1	1	0	0	0	0	0	0
Coding	06/10/2023	6	0	0	0	0	2	1	1	2	0	0
Testing & Validation	12/10/2023	2	0	0	0	0	0	0	0	0	1	1
Total		13	2	1	1	1	2	1	1	2	1	1

SPRINT PLAN

SPRINT 2

Backlog Item	Status and Completion date	Original Estimate in hours	Day 1 13/10	Day 2 18/10	Day 3 19/10	Day 4 20/10	Day 5 25/10	Day 6 26/10	Day 7 27/10	Day 8 01/11	Day 9 02/11	Day 10 03/11
Form Design	13/10/2023	2	2	0	0	0	0	0	0	0	0	0
Table Design	18/10/2023	1	0	1	0	0	0	0	0	0	0	0
Coding	01/11/2023	8	0	0	1	2	1	1	2	1	0	0
Testing & Validation	03/11/2023	3	0	0	0	0	0	0	0	0	1	2
Total		14	2	1	1	2	1	1	2	1	1	2

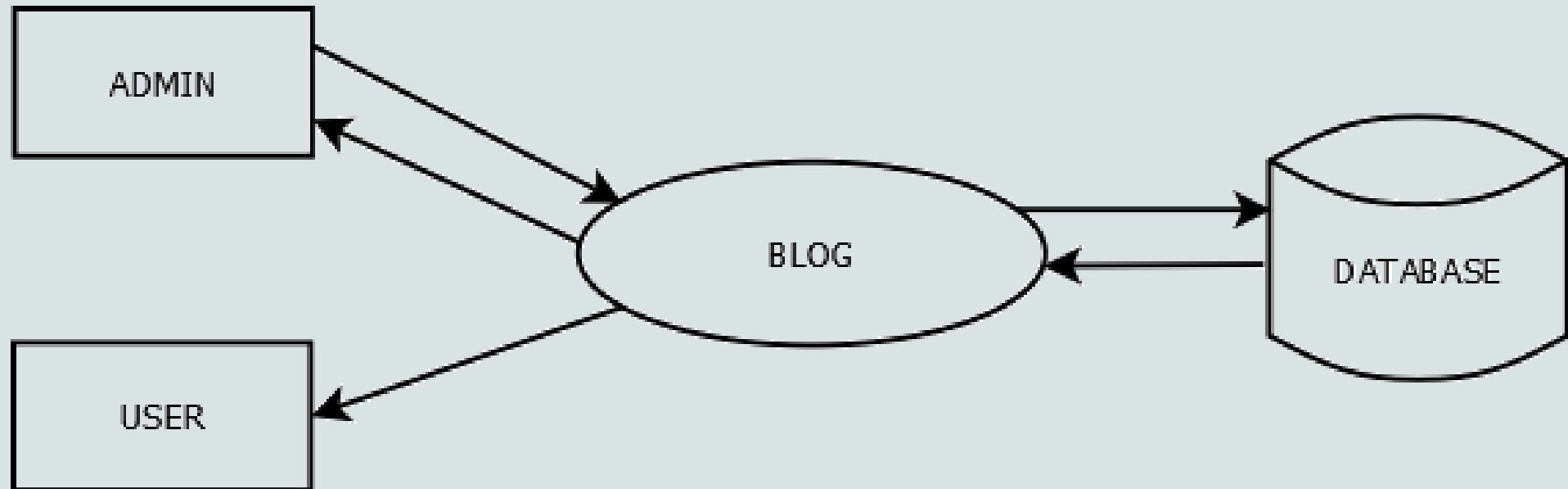
SPRINT PLAN

SPRINT 3

Backlog Item	Status and Completion date	Original Estimate in hours	Day 1 08/11	Day 2 09/11	Day 3 10/11	Day 4 15/11	Day 5 16/11	Day 6 17/11	Day 7 22/11	Day 8 23/11	Day 9 24/11	Day 10 29/11	Day 11 30/11
Coding	22/11/2023	9	1	1	2	1	1	2	1	0	0	0	0
Testing & Validation	30/11/2023	5	0	0	0	0	0	0	0	1	2	1	1
Total		14	1	1	2	1	1	2	1	1	2	1	1

DFD

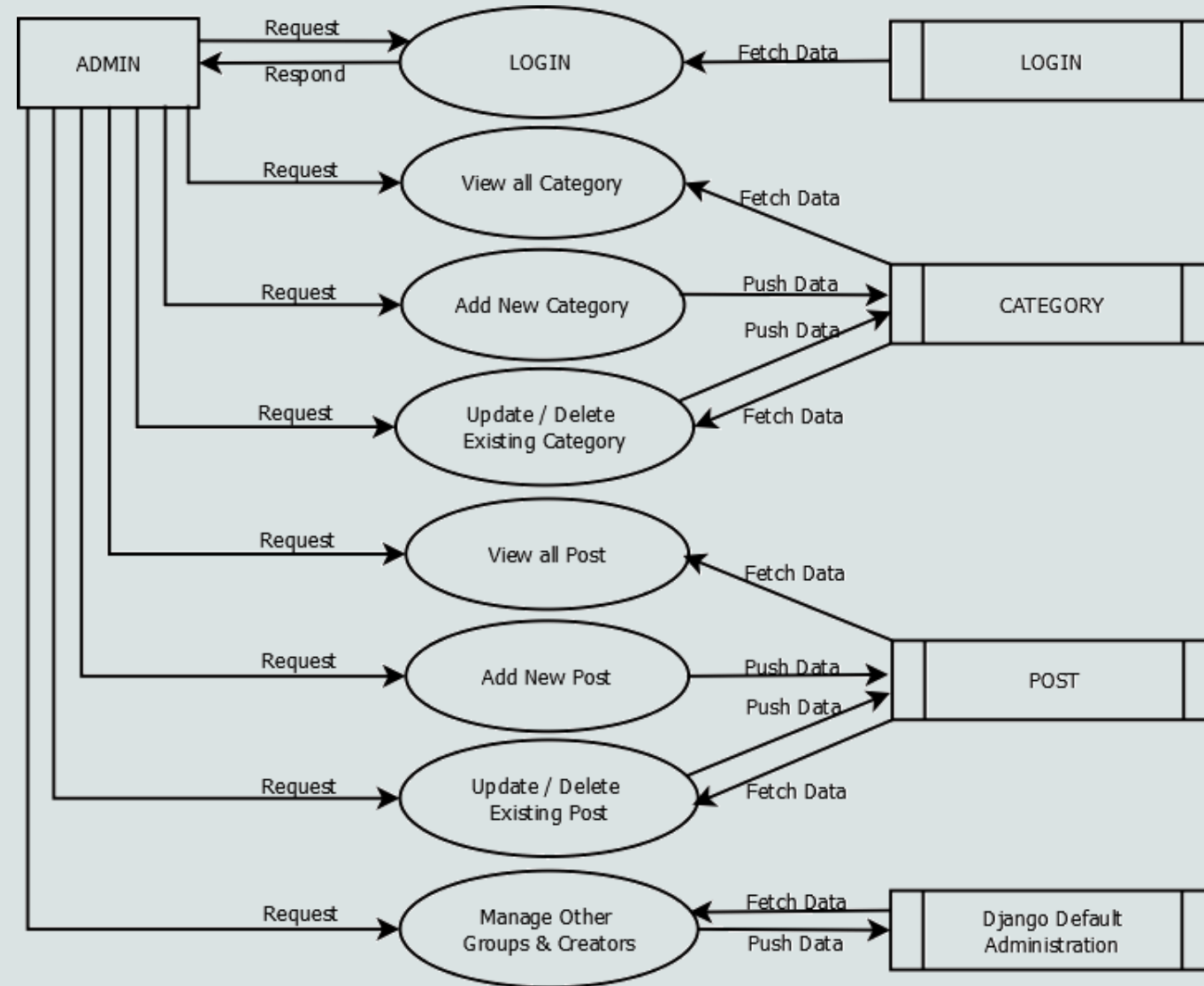
LEVEL 0



DFD

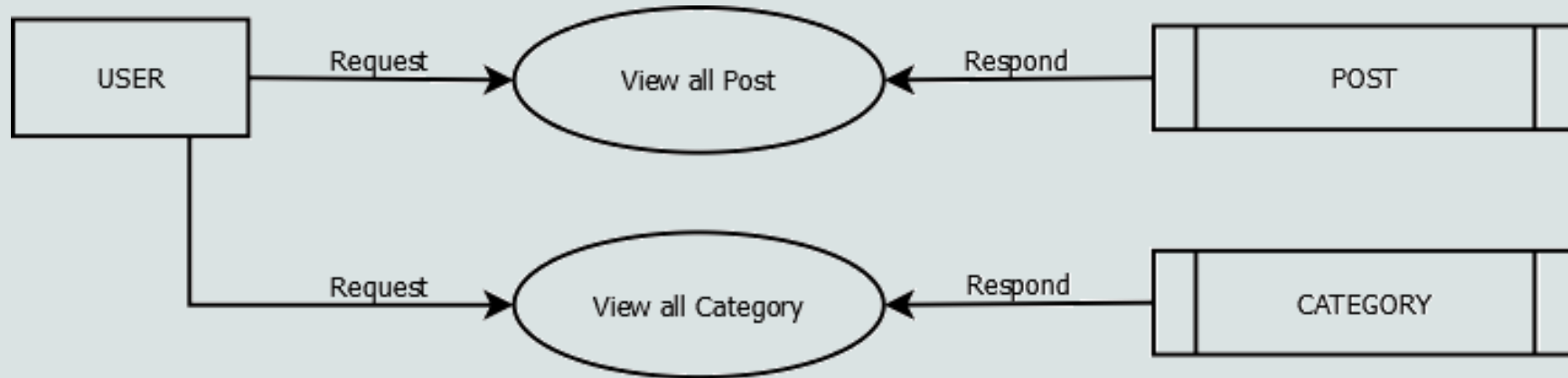
LEVEL 1:

1.1 ADMIN



DFD

LEVEL 1: 1.2 USER





Thank you