

# BUSINESS REQUIREMENTS DOCUMENT TEMPLATE

## PROJECT DETAILS

|   |                   |             |
|---|-------------------|-------------|
| PROJECT NAME  |                   |             |
| <b>Multicategory Blog Posting<br/>and Management Platform</b> |                   |             |
| CREATOR   |                   |             |
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| DOCUMENT NO.  | DATE              | VERSION NO. |
| <b>01</b>   | <b>14/02/2025</b> | <b>1.0</b>  |

### 1. EXECUTIVE SUMMARY SNAPSHOT

Provide an executive summary (overview of your business requirements) here. Your executive summary should be a “snapshot” of the purpose of your business requirements, including a brief description of any analysis, findings, project details, scope, business drivers, proposed process, current process, and functional requirements. An executive summary provides an overview of a larger document or of research and is usually the first thing your reader will see. Here are the questions you should answer when writing your business requirements executive summary:

- What is the goal (purpose) of this business requirements document (BRD)?
- Who is the audience for this business requirements document?

The goal of this Business Requirements Document (BRD) is to outline the requirements for developing a **Multicategory Blog Posting and Management Platform**. This platform will allow users to browse blog posts across multiple categories such as sports, food, politics, and technology, while providing administrators with an efficient dashboard to manage content. The platform will be built using modern web technologies like Django, JavaScript, and Materialize CSS to ensure scalability, performance, and a user-friendly experience.

**Audience:** This document is intended for stakeholders, developers, project managers, and designers involved in the development and deployment of the platform.

## 2. PROJECT DESCRIPTION

In this section, describe the project for which you are writing this business requirements document. Describe the project's purpose, what the current process/solution is for the project, what the challenges are, and why you need to undertake the project.

The project aims to develop a **user-friendly blogging platform** that organizes content under multiple categories. The platform will have three primary sections:

1. **Home Page:** Displays recent blog posts organized by categories. Users can filter posts or search for topics, with an intuitive layout and pagination for large volumes of entries.
2. **About Page:** Outlines the platform's mission, categories, and purpose, giving users background information.
3. **Admin Page:** A secure interface for administrators to manage blog content. Administrators can create, edit, and remove posts, assign categories, and ensure content is well-organized.

The platform will cover topics like sports, food, politics, and digital technology, offering an organized browsing experience for users.

### 3. PROJECT SCOPE

Provide a high-level description of the project's scope, including a list of project-specific goals, tasks, deliverables, costs, deadlines -- everything that is "in" and "out" of scope for the project. This information provides team members with guidelines for the scope of the project, so they can plan and resource accordingly.

| IN-SCOPE ITEMS   | OUT-OF-SCOPE ITEMS  |
|--|---|
| Item 1: Development of a multcategory blogging platform      | Item 1: User-generated content (e.g., comments, user posts) |
| Item 2: Admin dashboard for post management                  | Item 2: Advanced user authentication (e.g., social login)   |
| Item 3: Responsive and user-friendly interface               | Item 3: API integration with third-party services           |
| Item 4: Integration of Django, JavaScript, and CSS           | Item 4: Monetization features (e.g., ads, subscriptions)    |
| <b>Etc:</b> e.g., category management, search functionality) | <b>Etc:</b> (e.g., user profiles, advanced SEO tools)       |

## 4. BUSINESS DRIVERS

Enter the reasons (i.e., business drivers) why your business is initiating the project. In short, Why are you undertaking the project? Examples might include the following: legal requirements, cost savings with a more efficient practice, updated import/export laws, improved efficiency, improved sales, etc.

|   |   |
|---|---|
| <b>Business Driver 1:</b> Improved Content Management | The platform will centralize blog post management, making it easier for administrators to add, edit, and delete posts across multiple categories. |
| <b>Business Driver 2:</b> Enhanced User Experience    | By organizing content into categories and providing a responsive interface, users will have a better browsing experience.                         |
| <b>Business Driver 3:</b> Scalability and Flexibility | The use of modern web technologies like Django and JavaScript ensures the platform can scale and adapt to future enhancements.                    |
| <b>Business Driver 4:</b> Cost Efficiency             | Using open-source technologies like Django and SQLite reduces development and maintenance costs.  |

## 5. PRESENT PROCESS

Provide details of your current, prevailing process for addressing the primary issue your project attempts to solve. Feel free to include diagrams, flowcharts, or other visuals to illustrate the current process.

Currently, the process for managing blog posts is manual and disorganized. Administrators use basic tools like spreadsheets or simple content management systems that lack category management and efficient search functionalities. Users face difficulties in navigating through content, leading to a poor browsing experience.

## 6. PROPOSED PROCESS

Provide details of the proposed process for addressing the primary issue your project attempts to solve. Feel free to include diagrams, flowcharts, or other visuals to illustrate the proposed process. For this process, we recommend that you use the same illustrative tool/style that you used for your present/current process (above).

The proposed process involves the development of a **Multicategory Blog Posting and Management Platform** with the following features:

1. **Home Page:** Users can browse recent posts, filter by category, and search for specific topics.
2. **Admin Dashboard:** Administrators can create, edit, and delete posts, assign categories, and manage content efficiently.
3. **About Page:** Provides information about the platform's mission and categories.

The platform will use Django's Model-View-Template (MVT) architecture to separate logic, UI, and data components, ensuring a scalable and maintainable solution.

## 7. FUNCTIONAL REQUIREMENTS

Detail the project's functional requirements by enumerating the ways in which the current process addresses the issue and by describing the functional requirements necessary to make the project successful.

1. **User Interface:** A responsive and intuitive interface for browsing blog posts.
2. **Category Management:** Ability to organize posts into categories like sports, food, politics, and technology.
3. **Admin Dashboard:** A secure interface for administrators to manage posts, including adding, editing, and deleting content.
4. **Search and Filter:** Users can search for posts and filter by category.
5. **Pagination:** Support for large volumes of posts with pagination.

## 8. NON-FUNCTIONAL REQUIREMENTS

Detail all non-functional requirements (NFRs) of the project, including such things as features, system behavior, and project characteristics that relate to user experience.

| ID | REQUIREMENT  |
|----|--|
| 1  | The platform should be responsive and work on all devices (desktop, tablet, mobile). |
| 2  | The platform should load within 3 seconds under normal conditions.                   |
| 3  | The admin dashboard should support role-based access control.                        |
| 4  | The platform should be scalable to handle future growth in content and users.        |

|   |  |
|---|--|
| 5 | The platform should be secure, with data encryption and secure authentication. |
|---|--|

# TECHNOLOGY

The project will use the following technologies:

- **Django:** A Python web framework handling server-side logic, routing, and database interaction.
- **JavaScript:** Adds interactivity, such as search and category filtering.
- **CSS & Materialize CSS:** Ensure responsive design with pre-built components and Material Design principles.
- **SQLite:** A lightweight, serverless database integrated with Django’s ORM.
- **HTML:** Structures content for easy navigation and search engine indexing.

# IMPLEMENTATION

The project will follow Django’s Model-View-Template (MVT) architecture, which separates logic, UI, and data components. Key elements include:

- **Models:** Define blog post structure, including title, content, category, and author.
- **Views:** Handle the logic for displaying and managing blog posts.
- **Templates:** Render HTML pages dynamically, styled with Materialize CSS.
- **Admin Dashboard:** A customized version of Django’s admin interface for managing content, with role-based access control.

# CONCLUSION

This platform is a **scalable and flexible solution** for managing content across multiple categories. It is built using modern technologies like Django, JavaScript, and Materialize CSS, ensuring both user-friendliness and robust performance. Future enhancements could include user-generated content, comments, or API integration.