

# User Documentation for Sentiment-Enhanced Book Recommendation System

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## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Installation Guide</b>	<b>2</b>
2.1	Prerequisites . . . . .	2
2.2	Setup Steps . . . . .	2
<b>3</b>	<b>Running the Application</b>	<b>2</b>
<b>4</b>	<b>Example Use Case</b>	<b>2</b>

# 1 Introduction

The Sentiment-Enhanced Book Recommendation System provides personalized book recommendations by analyzing user reviews and filtering by genre. The system is built using Python scripts and processed datasets.

## 2 Installation Guide

### 2.1 Prerequisites

- Python 3.7 or higher
- A Python IDE, such as VS Code or PyCharm

### 2.2 Setup Steps

1. Clone the GitHub repository:

```
1 git clone https://github.com/stokeya/Books-Recommendation-System-  
Part2-.git  
2
```

2. Install required Python libraries:

```
1 pip install pandas numpy textblob scikit-learn  
2
```

3. All datasets and ‘.py’ files are available in the GitHub repository. Ensure they remain in their respective folders as cloned.

## 3 Running the Application

1. Open the project in your preferred IDE (VS Code or PyCharm).
2. Execute the scripts in the following order:
  - (a) `data_cleanup.py`: Cleans and merges the datasets.
  - (b) `test_data.py`: Splits the dataset into training and testing sets.
  - (c) `bookrecsystemcleaned.py`: Generates book recommendations.

## 4 Example Use Case

If a user searches for books in the "Fantasy" genre, the system recommends highly rated books based on sentiment analysis of user reviews.