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| **<Book Shelf>**  Project Charge Document (M101) |

1. **Project Information**

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| --- | --- | --- | --- |
| **Project Name:** | Book Shelf | **PlanView Number:** | - |
| **Project Sponsor:** | KSD | **Project Size:** | 5 |
| **Project Director:** | Sozanskiy Andriy | **Project Start Date:** | 10.02.2025 |
| **Project Manager:** | Sozanskiy Andriy | **Project End Date:** | - |

1. **Project Leads**

| **Lead Name** | **Division** | **Unit** |
| --- | --- | --- |
| Созанський Андрій | Developer | FullStack |
| Ковтуненко Андрій | Database | SQLite |
| Вібла Ксенія | Designe | Figma |
| Савчук Дмитро | Developer | FullStack |
| Сергій Баранов | Database | Tester |

# Project Statement

| **Project Area** | **Description** |
| --- | --- |
| Background: | The system is designed for convenient book management, tracking reading progress, creating notes, and categorization by genres and shelves. |
| Project Vision Statement: | To develop a convenient and intuitive system for organizing a user's library, allowing for detailed records of books read, reading sessions, and storing important notes. |
| Objective: | Provide the user with a user-friendly interface for adding books, tracking reading progress, creating notes, and grouping books by genres and shelves. |
| Scope: |  |
| Included in scope: | Work with books: add, edit, view.  · Track your reading progress.  · Save notes for individual reading sessions.  · Classify books by genre and shelf. |
| Excluded from scope: | General statistics |
| Impacts: (Organizational & Technical) | · Organizational:  Increasing the efficiency of managing books in a personal library.  Simplifying the process of tracking reading progress.  Improving the user experience when working with books and notes.  · Technical:  The need to maintain a database with links between books, genres, shelves and reading sessions.  Using effective indexes for quick search of books and notes. |
| Dependencies: | · Having a database with correct relationships between the tables books, reading\_session, notes, genres, shelves and book\_genres.  · Working with dates and percentages to correctly calculate reading progress.  · Relying on the structure of shelves and genres for grouping books. |
| Assumptions & Constraints: | Assumptions:  The user will add correct data (publication date, number of pages, genres, etc.).  The number of books in the library will be moderate to ensure the efficiency of the database.  · Limitations:  The size of text fields is limited (e.g., book description — 700 characters).  Reading progress percentage can be calculated with integer precision. |

# High-level Requirements

| **Requirement Area** | **Projected Steps/Comments** |
| --- | --- |
| Adding books | Implement information entry: title, author, publication date, image, description, number of pages. |
| Reading tracking | Create functionality to record reading sessions with starting and ending pages, time, and progress. |
| Notes while reading | Implement the ability to add notes tied to a specific reading session. |
| Book categorization | Ability to group books by genres and shelves. |
| User-friendly User Interface (UI) | Provide a user-friendly interface for adding and viewing books, notes, and reading progress. |

# High-level Deliverables

| **Deliverable Type**  **Note: Identify each type as either  Business Process or Project Management.** | **Description** |
| --- | --- |
| Business Process | Developing a database structure for managing books, reading sessions, notes, genres, and shelves. |
| Business Process | Automate the processes of adding books, tracking reading progress, and creating notes. |
| Project Management | Database performance optimization and system structure documentation preparation. |
| Project Management | Planning, implementing and testing a book management system taking into account user requirements. |

# High-level Timeline

| **Milestone** | **Target Date** | **Date Achieved** |
| --- | --- | --- |
| Design completion | 24.02.2025 |  |
| Completing database design | 24.02.2025 |  |
| Implementing the book adding functionality | 03.03.2025 |  |
| Implementing catalog creation functionality | 09.03.2025 |  |
| Adding notes functionality | 12.03.2025 |  |
| Implementing reading session tracking | 17.03.2025 |  |

# High-level LOE Estimates

| **Description of Effort** | **Estimated # Hours across # Days to Complete** | **Comments** |
| --- | --- | --- |
| Database structure design | 20 hours/ 3 days | Creating tables and relationships. |
| Design creation | 40 годин / 7 днів | Creating a finished application design |
| Розробка інтерфейсу користувача | 55 годин / 10 днів | Creating an interface based on a ready-made design |
| User interface development | 120 годин / 20 днів | Implementation of functionality for adding books, collections, notes, and reading session logic |
| Testing and debugging | 30 годин / 5 днів | Functional testing |

# Project Team

| **Project Groups** | **Division/Units Represented** |
| --- | --- |
| Core Group(s): | Developer, Database |
| Subject Matter/Expert(s): | Designe |
| Technical Expert(s): | Database |
| Other(s) (please describe): | - |

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| **Steering Committee Member** | **Division/Units Represented** |
| --- | --- |
| - |  |

# Project Status Reports

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| --- | --- |
| **Status Report Owner:** | Sozanskiy Andriy |

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| --- | --- | --- |
| **Status Report Audience:** | Melnyk Nazar Borysovych | Dorosh Vitaliy Ivanovych |
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*Internal Use Only*

**Document Change Control**

**Project Charge Document (M101)**

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| --- | --- | --- | --- |
| **Version Number** | **Date** | **Revision Author** | **Description** |
| 1.0 | 9/26/07 | SS-KS | Draft New Template Format (archived original format available via document owner) |
| 1.0 | 10/12/07 | SS-KS | Final draft approved by Project Support. |
| 2.0 | 4/7/08 | SS-KS | Converted to .docx format; file path added to footer. |
| 2.0 | 4/17/08 | SS-KS | Version approved for use. |
| 3.0 | 3/5/09 | SS-KS | Updated to address ITS iterative framework. Version approved by Cathy Curley. |
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