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Battle Brush Progress

Project Proposal

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Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature, and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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List of abbreviations and terms

CRUD	Create, Read, Update, and Delete
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Introduction

Miniature painting, particularly withing the vibrant Warhammer community, is an art form that thrives on precision, creativity, and the passion of its practitioners. Despite the dedication of hobbyists, there is a notable gap in digitals tools that can comprehensively document and analyze the intricate painting process. Many enthusiasts still rely on manual logs or fragmented digital methods that fail to capture the detailed progression of their work. Moreover, existing solutions are generally limited to a single paint brand, which restricts the flexibility needed by painters who experiment with various products to achieve the perfect finish.

Project Description and Motivation

The Battle Brush Progress application was conceived to bridge this gap. At its core, the project aims to provide a robust, all-in-one platform that meticulously records every stage of the miniature painting process. This initiative is driven by genuine passion for both the art of miniature painting and the potential for digital innovation in creative practices. The motivation behind this project lies in the belief that a comprehensive documentation system can not only streamline the creative process but also serve as a valuable analytical tool. By logging every step of the process painters can review, learn, and refine their techniques over time.

How the World Will Be Better

The implementation of the Battle Brush Progress application is expected to yield significant benefits:

- **Enhanced Documentation:** Every detail of the painting process is recorded, providing users with an in-depth archive of their creative journey. This thorough documentation supports continuous learning and improvement.
- **Streamlined Workflow:** With features such as comprehensive user management, multi-brand paint tracking, and real-time progress logs, the application reduces the need for manual record-keeping, thereby saving time and reducing errors.

- **Language Support:** The application is designed to support multiple languages, ensuring that miniature painting enthusiasts can use the platform regardless of their native language.

Analytical Perspective

This project introduces a solution for miniature painters and shows how digital tools can enhance creative processes by addressing current documentation limitations. Ultimately, Battle Brush Progress empowers users to refine their craft and create a more efficient and accessible painting environment.

This document will serve as documentation of the project.

ERD

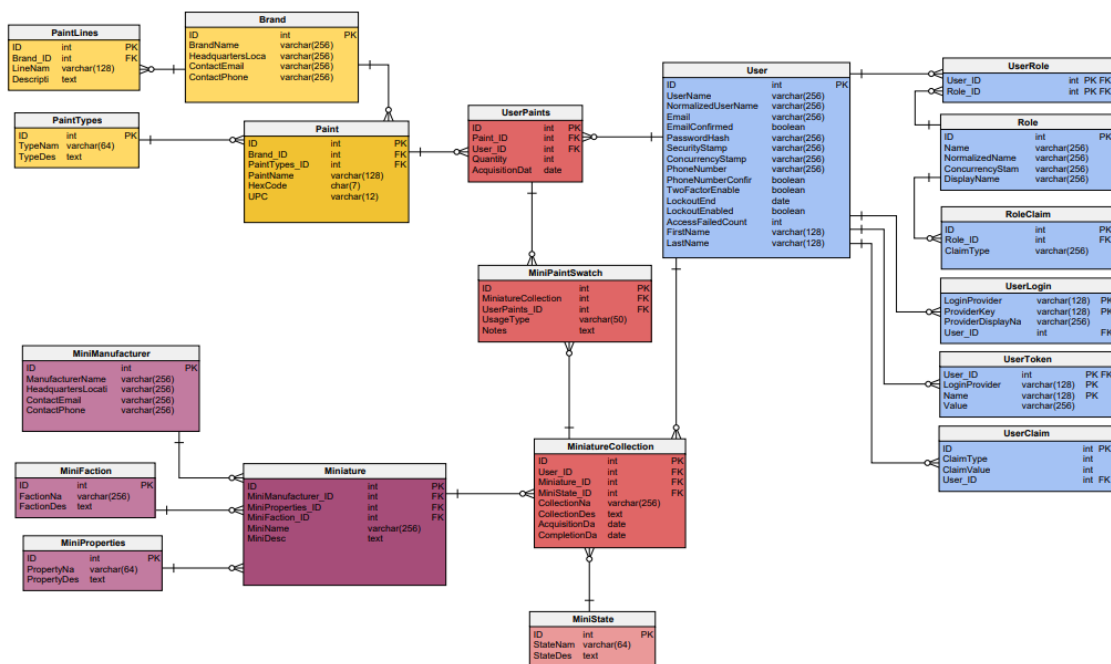


Figure 1 Initial Entity relationship model

Main client positive flow chart

Battle Prush Progress home page

The home page of the Battle Brush Progress will consist of

The home page features a welcoming banner that serves as the starting point for user navigation. Informational cards explain the app's benefits and target audience.

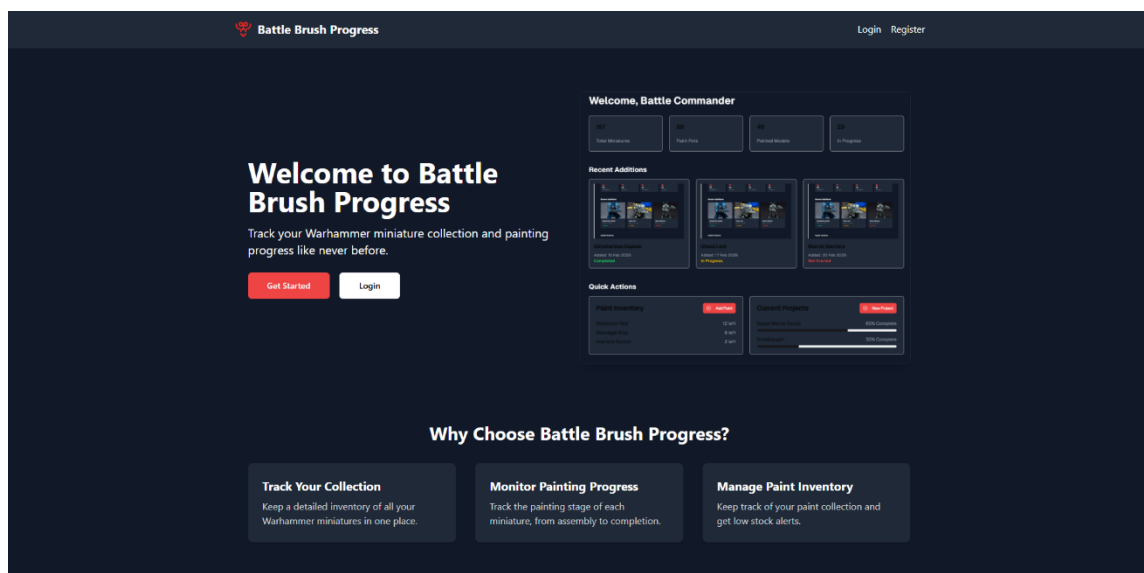


Figure 2 Home Page.

Dashboard page

Upon login or registration, users are directed to their Dashboard. This page provides an overview of their miniature and paint collections and includes quick action buttons for adding new entries without navigating away.

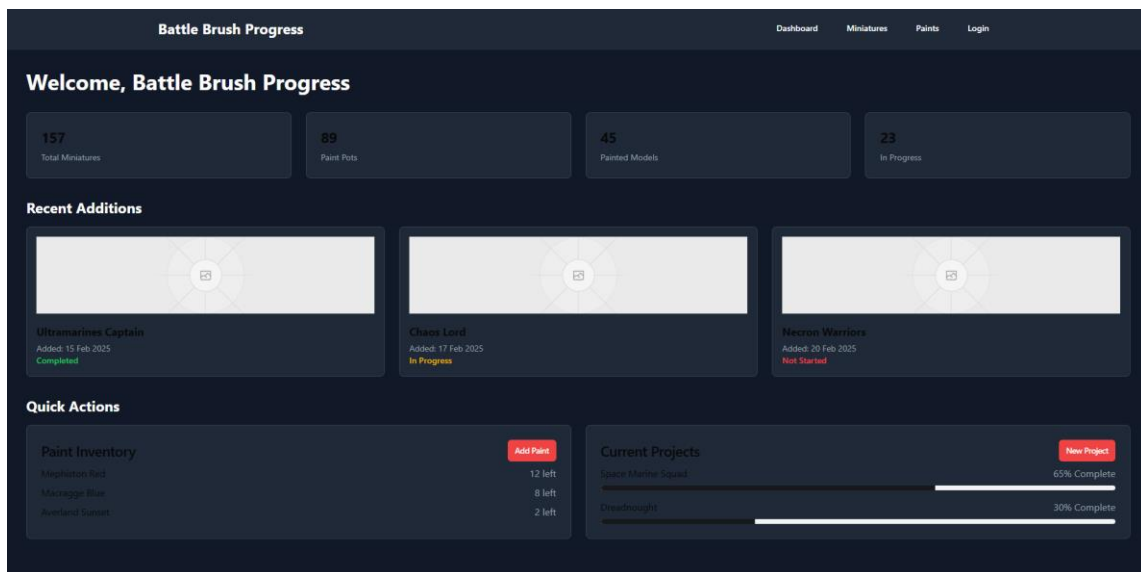


Figure 3 Dashboard page

Miniature Inventory page

The Miniature Inventory displays the entire collection of miniatures. Users can add new miniatures, edit details, update statuses, link associated paints, or remove items – all from a single page

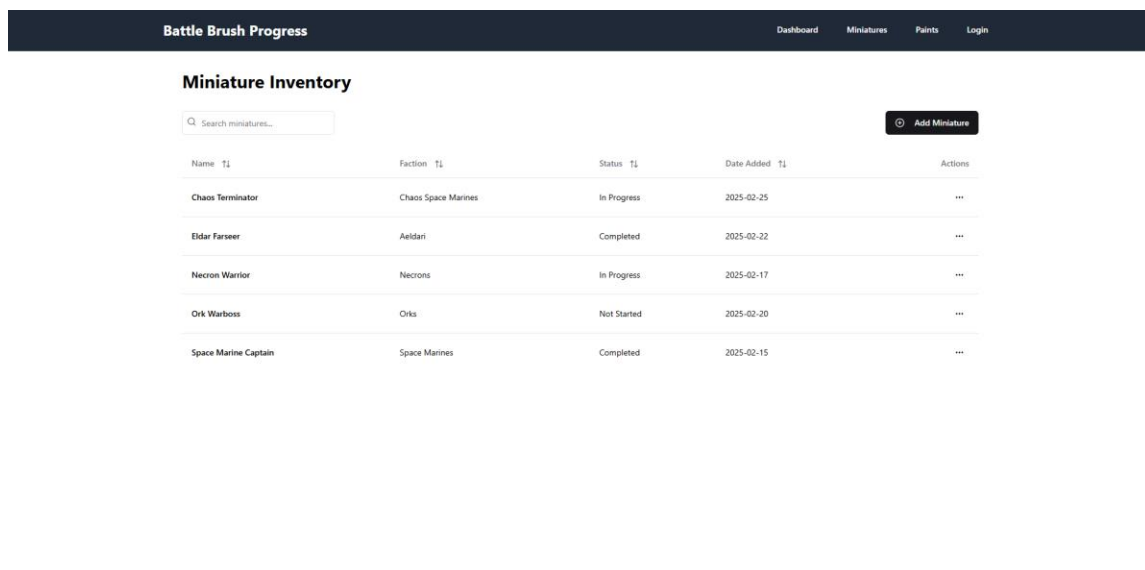


Figure 4 Miniature Inventory page

Paint Swatch page

When adding paint to a miniature, users are redirected to the Paint Swatch page for that model. Here, they can link paints from their inventory, specify the purpose of each paint, and include notes on its application.

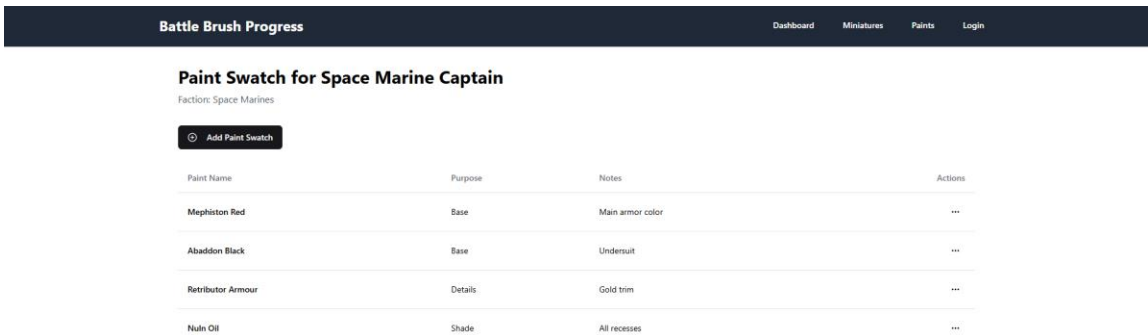


Figure 5 Paint Swatch page

Paint Inventory page

The Paint Inventory page displays users full collection of paints. Users can add new paints, edit details, update quantities, or delete entries directly from this page.

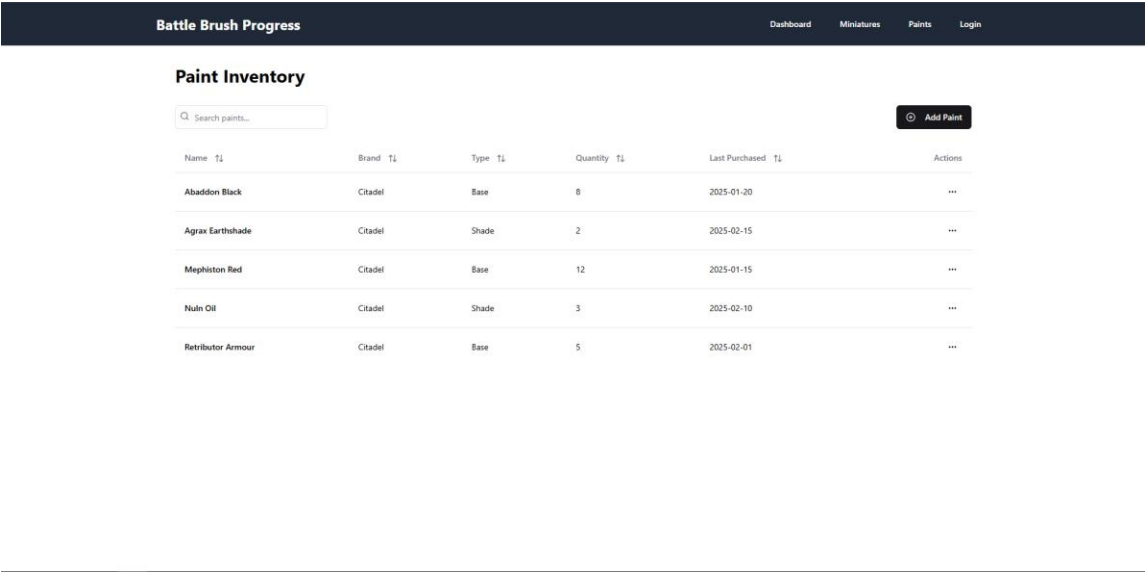


Figure 6 Paint Inventory page