**"Development of Real Estate Platform with Advanced Search and Map Integration,"**

**🎯 1. Title Page**

* Project Title
* Your Name & Roll Number
* Department, University Name
* Date

**📘 2. Acknowledgments (Optional)**

Thank anyone who helped — professors, friends, or family.

**🔍 3. Abstract (150-200 words)**

A brief summary of your project:

* What problem are you solving?
* How does your platform work?
* What technologies are used?
* What are the expected results?

**🔧 4. Introduction**

* **Problem Statement:** The difficulty of finding properties efficiently in Peshawar.
* **Objectives:**
  + Build an easy-to-use real estate platform.
  + Implement advanced search filters.
  + Integrate map functionality for location-based search.
  + Include user authentication and message handling.
* **Scope:** Define what’s included (e.g., property listings, user accounts, contact form).
* **Significance:** Why this project matters — benefits to property seekers, agents, and the local market.

**🛠️ 5. Literature Review**

* Overview of existing real estate platforms.
* Comparison of current solutions vs. your approach.
* Discuss technologies (Next.js, PHP, Supabase, Clerk, etc.).

**🔨 6. Methodology**

* **System Architecture:**
  + Frontend (Next.js)
  + Backend (PHP)
  + Database (Supabase)
* **Features:**
  + User Authentication (Clerk)
  + Advanced Search (filters like price, location, type)
  + Map Integration
  + Unread message notifications
  + Responsive design
* **Tools & Technologies:** Node.js, Tailwind CSS, Supabase, Clerk, PHP, etc.
* **Development Process:** Agile methodology or your preferred approach.

**📌 7. Implementation**

* **Frontend Development:** How Next.js renders pages and components.
* **Backend Setup:** PHP’s role in data handling and API routes.
* **Database Schema:** Tables, fields, relationships (e.g., contactInfo table).
* **Feature Breakdown:**
  + How the search works behind the scenes.
  + How messages are stored and retrieved.
  + Notification bar logic.

**🔍 8. Testing and Evaluation**

* Test cases for functionalities (search, messages, etc.).
* Performance testing (speed, responsiveness).
* User feedback (if possible).

**📊 9. Results and Discussion**

* Showcase the platform’s working state (screenshots, comparisons).
* Discuss improvements made during development.
* Highlight unique features (e.g., unread message bar).

**🚀 10. Conclusion and Future Work**

* Recap of the project and goals achieved.
* Suggestions for future upgrades (e.g., AI recommendations, property analytics).

**📚 11. References**

* Cite resources: websites, articles, documentation, etc.

**🛠️ 12. Appendix (Optional)**

* Code snippets, diagrams, or extra material.