

Table of Contents

Abstract	2
Introduction Nest	3
Purpose of the Project	4
Problems NEST Solves	5
Target Users	6
Objectives	7
Technology Stack	8
System Design	11
Data Flow Diagrams (DFD Level 0 & Level 1)	12
ER Diagram for MongoDB Collections	14
Component Diagram (Frontend + Backend)	15
2. Property Registration	17
4. Property Search and Filter	18
4. Dashboard View	19
5. Flat Status, Images, and Additional Details	20
Folder Structure	21
Code Snippets	22
Login Function – Step-by-Step Explanation	23
Login Function – Code Snippets	24
Code Snippets	25
Code Snippets	26
SearchBar Component – Explained in Points	27
What Happens When You Click “Search”	27
Layout & UI Elements:	27
Backend Implementation	28
Folder Structure	28
Mongoose Schemas	31
What is a Mongoose Schema?	31
References & Bibliography	32