Database Design

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| Cities Table | | |
| Column Name | Data Type | Attributes |
| Id | Integer | Primary Key, Auto Increment |
| Name | string | Not Null |
| State | string | Not Null |
| country | string | Not Null |
| Created at | Timestamp | Nullable |
| Updated at | Timestamp | Nullable |

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| Localities Table | | |
| Column Name | Data Type | Attributes |
| Id | Integer | Primary Key, Auto Increment |
| City id | Integer | Foreign Key (references cities(id)) |
| Name | String | Not Null |
| Description | Text | Nullable |
| Created at | Timestamp | Nullable |
| Updated at | Timestamp | Nullable |

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| Builders Table | | |
| Column Name | Data Type | Attributes |
| Id | Integer | Primary key, auto increment |
| name | String | Not null |
| Contact info | String | Nullable |
| website | String | Nullable |
| Created\_at | Timestamp | Nullable |
| Updated at | timestamp | Nullable |
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| Landmark Table | | |
| Column Name | Data Type | Attributes |
| Id | Integer | Primary Key, Auto Increment |
| Locality\_id | Integer | Foreign Key (references localities(id)) |
| Name | String | Null |
| Description | Text | Nullable |
| Created at | Timestamp | Nullable |
| Updated at | timestamp | Nullable |

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| Project Table | | | |
| Column Name | Data Type | Attributes | |
| id | Integer | | Primary Key, Auto Increment |
| locality\_id | Integer | | Foreign Key (references localities(id)) |
| builder\_id | Integer | | Foreign Key (references builders(id)) |
| project\_name | String | | Not Null |
| developer | String | | Not Null |
| address | String | | Not Null |
| pricing | Decimal | | Not Null |
| avg\_price | Decimal | | Nullable |
| emi\_starts | Decimal | | Nullable |
| rera\_status | String | | Not Null |
| contact\_seller | String | | Nullable |
| configuration | Text | | Nullable |
| possession\_starts | Date | | Nullable |
| carpet\_area | Decimal | | Nullable |
| why\_to\_choose | Text | | Nullable |
| around\_this\_project | Text | | Nullable |
| segments | String | | Nullable |
| overview | Text | | Nullable |
| size | Decimal | | Nullable |
| project\_size | Decimal | | Nullable |
| launched\_date | Date | | Nullable |
| rera\_id | String | | Nullable |
| more\_about\_project | Text | | Nullable |

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| Floor detail Table | | |
| Column Name | Data Type | Attributes |
| id | Integer | Primary Key, Auto Increment |
| project\_id | Integer | Foreign Key (references projects(id)) |
| floor\_section | String | Nullable |
| floor\_segment\_1 | String | Nullable |
| segment\_price\_1 | Decimal | Nullable |
| segment\_sqft\_1 | Decimal | Nullable |
| segment\_emi\_1 | Decimal | Nullable |
| segment\_floor\_image\_1 | String | Nullable |

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| Amenities Table | | |
| Column Name | Data Type | Attributes |
| id | Integer | Primary Key, Auto Increment |
| project\_id | Integer | Foreign Key (references projects(id)) |
| amenities | Text | Nullable |
| amenities\_icon | String | Nullable |

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| Project Details Table | | |
| Column Name | Data Type | Attributes |
| id | Integer | Primary Key, Auto Increment |
| project\_id | Integer | Foreign Key (references projects(id)) |
| project\_specification | Text | Nullable |
| locality\_advantage | Text | Nullable |
| review | Text | Nullable |
| project\_brochure | String | Nullable |
| project\_payment\_plan | Text | Nullable |
| project\_offer | Text | Nullable |

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| Marketing & Miscellaneous Table | | |
| Column Name | Data Type | Attributes |
| id | Integer | Primary Key, Auto Increment |
| project\_id | Integer | Foreign Key (references projects(id)) |
| map\_view | String | Nullable |
| locality\_guide | Text | Nullable |
| compare\_properties | Text | Nullable |
| about\_developer | Text | Nullable |
| questions\_and\_answers | Text | Nullable |
| projects\_by\_group | Text | Nullable |
| similar\_projects | Text | Nullable |
| recently\_added | Boolean | Default: false |
| resale\_project | Boolean | Default: false |
| new\_project | Boolean | Default: false |
| news\_and\_articles | texy | nulable |

Summary of the Relationship

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| **Cities**, |  |
| **Localities** |  |
| **Builders**, |  |
| **Landmarks** |  |
| **Projects Table**: | * Has a foreign key relationship with **Localities** (locality\_id). * Has a foreign key relationship with **Builders** (builder\_id). |
| **Floor Details Table**: | * Has a foreign key relationship with **Projects** (project\_id). |
| **Amenities Table**: | * Has a foreign key relationship with **Projects** (project\_id). |
| **Project Details Table**: | * Has a foreign key relationship with **Projects** (project\_id). |
| **Marketing & Miscellaneous Table**: | * Has a foreign key relationship with **Projects** (project\_id). |
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