**3D HOUSE MODELING IN VIRTUAL REALITY**

**GROUP MEMBERS ENROLLMENT NO.**

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***CLASS:-*** CE 5

**USER\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| User\_Id | Number(4) | Primary Key | User\_id must be required |
| U\_name | Varchar2(20) | Not null | User name is required |
| Password | Varchar2(10) | Not null | Login password is must be required |
| Firstname | Char(10) | Not null | Firstname of user |
| Lastname | Char(10) | Not null | Lastname of user |
| Email\_id | Varchar2(40) | Unique | Email\_id of User |
| Gender | Char(6) |  | Gender of user |
| Mobile\_no | Number(10) | Unique | Contact Number of User |
| Device\_id | Number(6) | Foreign key | Device\_id from DEVICE\_MASTER table |

**DEVICE\_MASTER**

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| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Device\_id | Number(6) | Primary key | Device\_id must be required |
| Device\_brand | Char(20) |  | Brand name of device |
| Device\_type | Varchar2(10) | Not null | Device type of user |
| Device\_model | Varchar2(10) |  | Model no. of device |
| Device\_iemi\_no | Varchar2(10) |  | IEMI no. of device |
| Internet\_type | Varchar2(10) |  | Type of internet used in device |
| Device\_OS | Char(30) | Not null | OS used in device |
| GCM\_id | Text |  | GCM(Google cloud messaging) id used |

**OBJECT\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Obj\_Id | Number(6) | Primary key | Obj\_Id must be required |
| Obj\_name | Varchar2(10) | Not null | Name of the object |
| Img\_path | Varchar2(100) | Not null | Path of the image saved |
| Obj\_Height | Number(4) | Not null | Height of the object |
| Obj\_Width | Number(4) | Not null | Width of the object |
| Obj\_depth | Number(4) | Not null | Depth of the object |
| Obj\_remark | Text |  | Remarks |

**MODEL\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| ID | Number(6) | Primary key | Model\_id must be required |
| User\_Id | Number(6) | Foreign key | Id of user from user\_master table |
| Created\_on | Date |  | Date of creation |
| Created\_by | NUMBER(6) | Foreign Key | ID FROM USER\_MASTER TABLE |
| Modify\_on | Date |  | Date of modification |
| Modify\_by | NUMBER(6) | Foreign Key | ID FROM USER\_MASTER TABLE |
| Mod\_Name | Char(10) | Primary Key | Name of the model |
| Mod\_description | Text |  | Description given of model |

**MODEL\_DETAILS**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| ID | NUMBER(6) | Primary Key | ID MUST BE REQUIRED |
| OBJ\_ID | NUMBER(6) | Foreign Key | ID of object\_ master table |
| Mod\_Id | Number(6) | Foreign key | Id of model from MODEL\_MASTER table |
| Pos\_x | Number(3) | Not null | X-axis of model |
| Pos\_y | Number(3) | Not null | y-axis of model |
| Pos\_z | Number(3) | Not null | z-axis of model |
| Height\_y | Number(3) | Not null | Height of y-axis |
| Width\_x | Number(3) | Not null | Width of x-axis |
| Depth\_z | Number(3) | Not null | Depth of z-axis |
| Mod\_Opacity | Number(3) | Not null | Transparency of model(0 OR 1) |

**COLOR\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Col\_Id | Number(6) | Primary Key | Id of the color must be required |
| Col\_Name | Char(10) | Not null | Name of color |
| Hex\_code | Varchar2(6) | Not null | Hexadecimal code for color |

**TYPE\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Type\_Id | Number(6) | Primary Key | Id must be required |
| Type\_Name | Char(10) | Not null | Type of object |
| Type\_remark | Char(500) |  | Remarks |

**PATTERN\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Patn\_Id | Number(6) | Primary Key | Pattern id must be required |
| Patn\_Name | Char(10) | Not null | Pattern name |
| Patn\_Img | Varchar2(100) | Not null | Image pattern path |

**TEXTURE\_MASTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Tex\_Id | Number(6) | Primary Key | Texture id must be required |
| Tex\_Name | Char(10) | Not null | Texture name |
| Tex\_Img | Varchar2(100) | Not null | Texture image path |

**NOTES\_DES**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| Note\_Id | Number(6) | Primary Key | Id must be required |
| Note\_Des | Char(40) |  | Description of the notes |
| Mod\_Detail\_Id | Number(6) | Foreign Key | Id of model from table MODEL\_DETAILS |

**MODEL\_DESIGN**

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD** | **DATATYPE** | **CONSTRAINTS** | **DESCRIPTION** |
| ID | NUMBER(6) | Primary Key | ID MUST BE REQUIRED. |
| Design\_Id | Number(6) | Primary Key | Id must be required |
| Mod\_Detail\_Id | Number(6) | Foreign Key | Id of model from table MODEL\_DETAILS |
| Side\_No | Number(2) | Primary Key | Different sides of object |
| Col\_Id | Number(6) | Foreign Key | Id from table COLOR\_MASTER |
| Pat\_Id | Number(6) | Foreign Key | Id from table  PATTERN\_MASTER |
| Tex\_Id | Number(6) | Foreign Key | Id from table TEXTURE\_MASTER |
| Type\_Id | Number(6) | Foreign Key | Id of type from table TYPE\_MASTER  TYPE\_ID |