**Group 17 : Hasan Ghazzawi**

**Justin Estaris**

**Alexander Yhap Data Dictionary**

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **cities** | value | Key integer | INT | N/A |  | Yes | PK | Used for the listings on the site |
| property | cities available for the listing | VARCHAR | 30 |  | YES |  | cities available for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **favourites** | user\_id | User name | VARCHAR | 20 |  | Yes | FK | References user table |
| listing\_id | Listing id | INT | N/A |  | YES | FK | References listing table |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listings** | lising\_id | Listing id for listings on the site | INTEGER | N/A |  | Yes | PK | Used for the listings on the site |
| user\_id | User id for the user logged in | VARCHAR | 20 |  | Yes | FK | This is from the users table |
| status | tells if the listing is open, closed, hidden or sold | CHAR | 1 | O,C,H,S | Yes |  | O=open  C=closed  H=hidden  S=sold |
| price | Stores the price of the listing | NUMERIC | N/A |  | Yes |  | Must be a valid number before storage |
| headline | Stores the headline | VARCHAR | 100 |  | YES |  | Contains the listing headline |
| description | Listing description | VARCHAR | 1000 |  | Yes |  | A description of the listing |
| city | The city the listing is located in | INTEGER | N/A |  | Yes |  | Used to reference the city. |
| postal\_code | Postal code of the listing location | CHAR | 6 |  | Yes |  | Used for the postal code of the listing |
| images | Contains the number of images | SMALLINT | N/A |  | Yes |  | Default=0 |
| province | The province the listing is in | CHAR | 2 |  | Yes |  | Province |
| property\_options | Options for listings | INTEGER | N/A |  | YES |  | Listing options |
| bedrooms | Contains the number of bedrooms | SMALLINT | N/A |  | YES |  | Default=0 |
| bathrooms | Contains the number of bathrooms | SMALLINT | N/A |  | YES |  | DEFAULT=0 |
| listing\_type | Contains the listing type | SMALLINT | N/A |  | YES |  | DEFAULT=0 |
| listing\_stories | Contains the listing stories | SMALLINT | N/A |  | YES |  | DEFAULT=0 |
| listing\_material | Contains the listing material build | SMALLINT | N/A |  | YES |  | DEFAULT=0 |
| listing\_date | Contains the date the listing was created | DATE | N/A |  | YES |  | Used to search using the date |
| listing\_view | Contains the listing view | SMALLINT | N/A |  | YES |  | DEFAULT=0 |
| listing\_sale\_status | Contains the listing sale status | SMALLINT | N/A |  | YES |  | DEFAULT=0 |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_bathrooms** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Number of bathrooms | VARCHAR | 2 |  | YES |  | Number of bathrooms for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_bedrooms** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Number of bedrooms | VARCHAR | 2 |  | YES |  | Number of bedrooms for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_material** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Listing material | VARCHAR | 50 |  | YES |  | Listing material |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_stories** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Number of stories | VARCHAR | 2 |  | YES |  | Number of storeis for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_sale\_status** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Listing sale status | VARCHAR | 30 |  | YES |  | Listing sale status |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_status** | value | Listing status | CHAR | 1 |  | Yes | PK | o:open  c:closed  s:sold  h:hidden |
| property | Status of the listings | VARCHAR | 30 |  | YES |  | Listing status |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_type** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Listing type | VARCHAR | 50 |  | YES |  | Listing type |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **listing\_view** | value | Key integer | INT | N/A |  | Yes | PK | Integer numbers to use for indexing |
| property | Listing view | VARCHAR | 30 |  | YES |  | Listing view |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **max\_price** | value | Key integer | INT | N/A |  | Yes |  | Used for the listings on the site |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **people** | user\_id | Key integer | INT | N/A |  | Yes | FK | User id form users table |
| salutation | salutations | VARCHAR | 30 |  | YES |  | salutations |
| first\_name | First name | VARCHAR | 25 |  | YES |  |  |
| last\_name | Last name | VARCHAR | 50 |  | YES |  |  |
| street\_address\_1 | Street address | VARCHAR | 75 |  |  |  |  |
| street\_address\_2 | Street address | VARCHAR | 75 |  |  |  |  |
| city | City | VARCHAR | 75 |  |  |  |  |
| province | province | VARCHAR | 2 |  |  |  |  |
| postal\_code | Postal code | VARCHAR | 6 |  |  |  |  |
| primary\_phone\_number | Primary phone num | VARCHAR | 15 |  | YES |  |  |
| secondary\_phone\_number | Secondary phone number | VARCHAR | 10 |  |  |  |  |
| fax\_number | Fax number | VARCHAR | 10 |  |  |  |  |
| preffered\_contact\_method | Contact method | CHAR | 1 |  | YES |  |  |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **preferred\_contact\_method** | value | Key integer | INT | N/A |  | Yes | PK | Used for the users on the site |
| property | Contact method available for the user | VARCHAR | 30 |  | YES |  | Contact method available for the user |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **prices** | value | Key integer | INT | N/A |  | Yes |  | Used for the listings on the site |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **property\_options** | value | Key integer | INT | N/A |  | Yes | PK | Used for the listings on the site |
| property | Options available for the listing | VARCHAR | 30 |  | YES |  | Options available for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **property\_options** | value | Key integer | INT | N/A |  | Yes | PK | Used for the listings on the site |
| property | Options available for the listing | VARCHAR | 30 |  | YES |  | Options available for the listing |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **provinces** | value | Province for listings and user addresses. | CHAR | 2 |  | No |  | Used for the listings on the site |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **reports** | user\_id | User id | VARCHAR | 20 |  | YES | FK,PK | Used to get user name |
| listing\_id | Listing id | INT | N/A |  | YES | FK,PK | Used to get listing id |
| reported\_on | Date reported on | DATE | N/A |  | YES |  | Date stamp |
| status | Open or closed | CHAR | 1 |  | YES |  | Status Open or closed |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **salutations** | value | salutations for users | CHAR | 6 |  | No |  | salutations for users |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **user\_type** | value | Listing status | CHAR | 1 |  | Yes | PK | p:pending  c:client |
| property | User type for registrations | VARCHAR | 30 |  | YES |  | User type for registrations |

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| **Table Name** | **Column Name** | **Contents** | **Type** | **Length** | **Range/**  **Values** | **Required** | **Key** | **Remarks** |
| **users** | user\_id | Login id for system users | VARCHAR | 20 |  | Yes | PK | Must be at least 6 characters but not longer than 20 |
| password | Password for user login | VARCHAR | 32 |  | Yes |  | Must be at least 8  characters but not longer than 32 |
| user\_type | To store the type of user accessing the site | CHAR | 1 | S,A,P,C,D | Yes |  | S = super user  A = agent  P=pending agent  C=client  D=disabled |
| email\_address | Stores the email address of a user | VARCHAR | 256 |  | Yes |  | Must be a valid email address |
| enrol\_date | The date the user first registered | DATE | N/A |  | Yes |  | Used for reference of when the user first registered |
| last\_access | The date the user last accessed the site | DATE | N/A |  | Yes |  | Used to determine availability of the user |