**DATA DICTIONARY**

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| System: | Parse | Date: 10/31/2015 |  |

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| Entity/Relationship Name: | LOCATION |
| Entity/Relationship Description: | Contains information of a specific location. |

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| Attribute Name | Description | Primary Key? | Default Value | Possible Values | Can be null? |
| objectId | Hashed identification key used by Parse by default. | Yes | N/A | String | No |
| name | Label name given to the location. | No | Empty String | String | No |
| description | Optional description about what location is about. | No | Empty String | String | No |
| Image | Optional screenshot of what the location looks like. | No | NULL | File | Yes |
| notes | Optional Minor information about the location. | No | Empty String | String | No |
| createdAt | Date when the entry was created. | No | N/A | Date | No |
| updatedAt | Date when the entry was last updated. | No | N/A | Date | No |

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| Entity/Relationship Name: | PATH |
| Entity/Relationship Description: | Described the recorded paths taken by specific users. Each point in the path will be a marker entity. Each checkpoint in the path will be a marker entity with a non-null location pointer. |

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| Attribute Name | Description | Primary Key? | Default Value | Possible Values | Can be null? |
| objectId | Hashed identification key used by Parse by default. | Yes | N/A | String | No |
| name | Label name given to the path. | No | Empty String | String | No |
| description | Optional description about what path is about. | No | Empty String | String | No |
| createdAt | Date when the entry was created. | No | N/A | Date | No |
| updatedAt | Date when the entry was last updated. | No | N/A | Date | No |

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| Entity/Relationship Name: | USER |
| Entity/Relationship Description: | Describes the user who owns markers in the database. |

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| Attribute Name | Description | Primary Key? | Default Value | Possible Values | Can be null? |
| objectId | Hashed identification key used by Parse by default. | Yes | N/A | String | No |
| username | The username the user uses to log-in to OSM | No | Empty String | String | No |
| password | The hashed password the user uses to log-in to OSM | No | Empty String | String | No |
| firstname | Date when the entry was created. | No | N/A | Date | No |
| lastname | Date when the entry was last updated. | No | N/A | Date | No |
| description | A description about who the user is. | No | Empty String | String | No |
| displayPic | A display picture shown on the application upon log-in. | No | NULL | File | Yes |
| country | The country where the user resides in. | No | Empty String | String | No |
| city | The city where the user resides in. | No | Empty String | String | No |
| createdAt | Date when the entry was created. | No | N/A | Date | No |
| updatedAt | Date when the entry was last updated. | No | N/A | Date | No |

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| Entity/Relationship Name: | MARKER (relationship) |
| Entity/Relationship Description: | Contains information about which locations were saved by which users, and which paths such locations were checkpoints of. This relationship entity connects each other entity by representing it as a marker/point in the map.  If the location pointed to by this marker is not set to NULL, the location information will be displayed as a checkpoint of the path pointed by this marker. |

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| Attribute Name | Description | Primary Key? | Default Value | Possible Values | Can be null? |
| objectId | Hashed identification key used by Parse by default. | Yes | N/A | String | No |
| coordinates | Latitude-longitude pair describing where the marker is in the map. | No | N/A | GeoPoint | No |
| user | Pointer to the owner of the marker. | Foreign | N/A | Pointer<USER> | No |
| location | Pointer to the information of the location of this marker. | Foreign | NULL | Pointer<LOCATION> | Yes |
| path | Pointer to the path containing this marker. | Foreign | NULL | Pointer<PATH> | Yes |
| createdAt | Date when the entry was created. | No | N/A | Date | No |
| updatedAt | Date when the entry was last updated. | No | N/A | Date | No |