|  |  |  |  |
| --- | --- | --- | --- |
| User | | | |
| Key | Attr Name | Data Type | Feature |
| PK | User\_id | int | AUTO\_INCR, unique |
|  | username | Text/varchar(255) | Required, unique |
|  | password | text | required |
|  | authority | text | required |

|  |  |  |  |
| --- | --- | --- | --- |
| Data\_analyzer | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Analyzer\_id | int | AUTO\_INCR, unique |
|  | Created\_user\_id | int | required |
|  | description | text |  |

|  |  |  |  |
| --- | --- | --- | --- |
| User\_accessibility | | | |
| Key | Attr Name | Data Type | Feature |
| PK | User\_accessibility\_id | int | AUTO\_INCR, unique |
| FK | User\_id | int | required |
| FK | Data\_analyzer\_id | int | required |

|  |  |  |  |
| --- | --- | --- | --- |
| Data\_record | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Data\_record\_id | int | AUTO\_INCR, unique |
| FK | Data\_analyzer\_id | int | Required |
|  | Record\_creation\_time | datetime | Required |
| ~ | F1-F20 | float |  |
| ~ | F21-F30 | text |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Data\_record\_attribute\_hash | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Data\_record\_hash\_id | int | AUTO\_INCR, unique |
| FK | Data\_analyzer\_id | int | Required |
|  | index | text | required |
|  | Actu\_name | text | Required |

|  |  |  |  |
| --- | --- | --- | --- |
| Detection\_algorithm | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Detection\_algorithm\_id | int | AUTO\_INCR, unique |
| FK | Data\_analyzer\_id | int | required |
|  | Attribute\_index | text | required |
|  | Algorithm\_path | text | required |
|  | Algorithm\_description | text |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Anomaly\_record | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Anomaly\_record\_id | int | AUTO\_INCR, unique |
| FK | Data\_record\_id | int |  |
|  | Attribute\_index | text | required |
|  | Record\_time | Date\_time | Required |
|  | float\_value | float |  |
|  | Text\_value | text |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Anomaly\_classifier | | | |
| Key | Attr Name | Data Type | Feature |
| PK | Analyzer\_id | int | AUTO\_INCR, unique |
| FK | Data\_record\_id | Int | required |
|  | path | text | Required |
|  | Classifier\_type | text | required |
|  | threshold | float |  |
|  | Configuration\_dict | text |  |
|  | description | text |  |