|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DATABASE** | JewelryboxDB | | | **SCHEMA** | | public | | **TABLE** | Activity | |
| **SEQUENCE** | Activity\_id\_seq | | | | | | **COMMENT** | 活動 | | |
| **COLUMN** | | | **TYPE** | | **NULLABLE** | **DEFAULT** | **INDEX** | **REFERENCES** | | **COMMENT** |
| id | | | serial4 | |  |  | PRIMARY KEY |  | | 主鍵(32位元) |
| name | | | varchar | | NOT NULL |  |  |  | | 活動名稱 |
| headcount | | | int4 | | NOT NULL |  |  |  | | 人數 |
| score | | | int2 | | NOT NULL |  |  |  | | 點數 |
| since | | | timestamp | | NOT NULL |  |  |  | | 開始時戳 |
| until | | | timestamp | | NOT NULL |  |  |  | | 結束時戳 |
| notified | | | bool | | NOT NULL | FALSE |  |  | | 通知 |
| age | | | int2 | |  |  |  |  | | 年齡需求 |
| gender | | | bool | |  |  |  |  | | 性別需求 |
| occupation | | | int2 | |  |  |  | Occupation | | 外鍵:職業需求 |
| district | | | int2 | |  |  |  | District | | 外鍵:行政區需求 |
| **Unique Constraint** | |  | | | | | | | | |

**D**ata **D**efinition **L**anguage:

|  |
| --- |
| CREATE SEQUENCE"Activity\_id\_seq"MAXVALUE 2147483647 CYCLE;  CREATE TABLE"Activity"(  "id"int4 DEFAULT"nextval"('"Activity\_id\_seq"'::"regclass")PRIMARY KEY,  "name"varchar NOT NULL,  "headcount"int4 NOT NULL,  "score"int2 NOT NULL,  "since"timestamp NOT NULL,  "until"timestamp NOT NULL,  "notified"bool NOT NULL DEFAULT'0',  "age"int2,  "gender"bool,  "occupation"int2 REFERENCES"Occupation"("id")ON DELETE RESTRICT ON UPDATE CASCADE,  "district"int2 REFERENCES"District"("id")ON DELETE RESTRICT ON UPDATE CASCADE  );  ALTER SEQUENCE"Activity\_id\_seq"OWNED BY"Activity"."id";  COMMENT ON COLUMN"Activity"."id"IS'主鍵(長度32位元)';  COMMENT ON COLUMN"Activity"."name"IS'活動名稱';  COMMENT ON COLUMN"Activity"."headcount"IS'人數';  COMMENT ON COLUMN"Activity"."score"IS'點數';  COMMENT ON COLUMN"Activity"."since"IS'開始時戳';  COMMENT ON COLUMN"Activity"."until"IS'結束時戳';  COMMENT ON COLUMN"Activity"."notified"IS'通知';  COMMENT ON COLUMN"Activity"."age"IS'年齡需求';  COMMENT ON COLUMN"Activity"."gender"IS'性別需求';  COMMENT ON COLUMN"Activity"."occupation"IS'外鍵:職業需求';  COMMENT ON COLUMN"Activity"."district"IS'外鍵:行政區需求';  COMMENT ON TABLE"Activity"IS'活動'; |

**D**ata **M**anipulation **L**anguage:

|  |
| --- |
| INSERT INTO"Activity"("name","headcount","score","since","until")VALUES  (E'已結束','6','6',"now"()+'-2w',"now"()+'-1w'),  (E'進行中還沒回報','7','7',"now"()+'-1w',"now"()+'1w'),  (E'進行中且已回報','8','8',"now"()+'-3d',"now"()+'3d'),  (E'未開始已確認','14','14',"now"()+'3d',"now"()+'1w'),  (E'未開始未確認','12','12',"now"()+'1w',"now"()+'2w'); |

Change Log:

1. 新增"notified"(通知)欄位。

Applications:

* "age"(年齡需求)係以"since"(開始**日期**)起計。