|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DATABASE** | JewelryboxDB | | | **SCHEMA** | | public | | **TABLE** | Candidate | |
| **SEQUENCE** | Candidate\_id\_seq | | | | | | **COMMENT** | 候選者 | | |
| **COLUMN** | | | **TYPE** | | **NULLABLE** | **DEFAULT** | **INDEX** | **REFERENCES** | | **COMMENT** |
| id | | | serial8 | |  |  | PRIMARY KEY |  | | 主鍵(64位元) |
| activity | | | int4 | | NOT NULL |  |  | Activity | | 外鍵:活動 |
| someone | | | int4 | | NOT NULL |  |  | Someone | | 外鍵:會員 |
| replied | | | bool | |  |  |  |  | | 回覆 |
| repliedBy | | | timestamp | |  |  |  |  | | 回覆時戳 |
| notified | | | bool | |  |  |  |  | | 通知 |
| proof | | | bytea | |  |  |  |  | | 證明(擷圖) |
| provedBy | | | timestamp | |  |  |  |  | | 證明時戳 |
| agent | | | int4 | |  |  |  | Someone | | 外鍵:審核者 |
| **Unique Constraint** | | UNIQUE(activity,someone) | | | | | | | | |

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

|  |
| --- |
| CREATE SEQUENCE"Candidate\_id\_seq"MAXVALUE 9223372036854775807 CYCLE;  CREATE TABLE"Candidate"(  "id"int8 DEFAULT"nextval"('"Candidate\_id\_seq"'::"regclass")PRIMARY KEY,  "activity"int4 NOT NULL REFERENCES"Activity"("id")ON DELETE RESTRICT ON UPDATE CASCADE,  "someone"int4 NOT NULL REFERENCES"Someone"("id")ON DELETE RESTRICT ON UPDATE CASCADE,  UNIQUE("activity","someone"),  "replied"bool,  "repliedBy"timestamp,  "proof"bytea,  "provedBy"timestamp,  "agent"int4 REFERENCES"Someone"("id")ON DELETE RESTRICT ON UPDATE CASCADE  );  ALTER SEQUENCE"Candidate\_id\_seq"OWNED BY"Candidate"."id";  COMMENT ON COLUMN"Candidate"."id"IS'主鍵(長度64位元)';  COMMENT ON COLUMN"Candidate"."activity"IS'外鍵:活動';  COMMENT ON COLUMN"Candidate"."someone"IS'外鍵:會員';  COMMENT ON COLUMN"Candidate"."replied"IS'回覆';  COMMENT ON COLUMN"Candidate"."repliedBy"IS'回覆時戳';  COMMENT ON COLUMN"Candidate"."notified"IS'通知';  COMMENT ON COLUMN"Candidate"."proof"IS'證明(擷圖)';  COMMENT ON COLUMN"Candidate"."provedBy"IS'證明時戳';  COMMENT ON COLUMN"Candidate"."agent"IS'外鍵:審核者';  COMMENT ON TABLE"Candidate"IS'候選者'; |

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

|  |
| --- |
| INSERT INTO"Candidate"("activity","someone")VALUES  ('1','5'),  ('2','6'),  ('3','7'),  ('4','8'),  ('5','9'); |

Change Log:

1. 新增"notified"(通知)欄位。

Applications:

* "replied"(回覆)：尚未回覆者為NULL；棄權者為FALSE；參與者為TRUE。
* "agent"：尚未審核者為NULL、已審核者則帶入該管理者"id"(主鍵)。
* "notified"：尚未回覆者、棄權者皆為NULL；未通知參與者為FALSE；已通知參與者為TRUE。