

## Database model documentation

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# 1. Model details

**Model name:**

David

**Version:**

2.4

**Database engine:**

PostgreSQL

**Description:**

## 2. Tables

### 2.1. Table User

**Description:**

Represents data about user

#### 2.1.1. Columns

Column name	Type	Properties	Description
id	int	PK	
isAuthorized	boolean		whether or not he is part of the famili or is living here
name	varchar(20)		
surname	varchar(50)		
birthday	date		
isMale	boolean		sex, but since there are only two genders I used boolean
title	varchar(20)		Fun addon, make David call you ex "Young Master"
currentHome	jsonb	null	place where person is living
occupation	varchar(50)	null	
character	jsonb		Object containing answers to this topics: Talents, Hobbies ,Short Term Goals, Long Term Goals, Habits, Best qualities, Worst qualities, Favorite book, Favorite movie, Favorite possession, Greatest passion, Favorite foods, Best friend, Worst enemy ,Height, Weight, Body Type, Fitness level, Hair color, Hair type/style, Eye color, Glasses/contacts? ,Ethnicity, Distinguishing features (birthmarks/scars/tatto

			os), Quirks, Allergies, Overall appearance/upkeep/style, Limitations/handicaps, Personality, Attitudes, Introverted or Extroverted?, Spiritual Worldview, Political Worldview, Strengths, Weaknesses, Mannerisms, Motivations, Fears, Internal Struggles, Secrets, What makes him happy?, Deepest longing, If he could do or be anything, what would it be?, Accent, Family members/birth order (describe relationships), Childhood, Education, First jobs, Accomplishments, Failures
faceImage	bytea		image of face to use for face recognition
bodyImage	bytea		broader image for other purposes
voiceSample	bytea		voice sample used for telemetry
privileges	jsonb		privileges, like: manipulation of lighting, irrigation etc

## 2.2. Table HomeContext

### Description:

Will be record of important things happening in home

### 2.2.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(20)		name for better understanding

description	text		longer desrpition with causes
importantChange	text		important effect of event
time	timestamp		

## 2.3. Table HomeContextParticipant

### 2.3.1. Columns

Column name	Type	Properties	Description
HomeContextId	int		
UserId	int		

## 2.4. Table Device

### Description:

Devices with access to this system

### 2.4.1. Columns

Column name	Type	Properties	Description
id	int	PK	
name	varchar(20)		ex. Adam's everyday phone
model	varchar(50)		ex. Samsung A56
defaultUsage	varchar(20)		describes how it was intended to be used, ex: everyday phone, gaming rig, production server

## 2.5. Table UserDevices

### 2.5.1. Columns

Column name	Type	Properties	Description
UserId	int		
DeviceId	int		

## 3. References

### 3.1. Reference HomeContextParticipant\_HomeContext

HomeContext	0..*	HomeContextParticipant
id	<->	HomeContextId

### 3.2. Reference HomeContextParticipant\_User

User	0..*	HomeContextParticipant
id	<->	UserId

### 3.3. Reference UserDevices\_User

User	0..*	UserDevices
id	<->	UserId

### 3.4. Reference UserDevices\_Device

Device	0..*	UserDevices
id	<->	DeviceId