Watersense - Simplified Diagram plus AppUser

The additional AppUser table maintains data needed to manage authentication and authorisation, and to track the author of multiple data changes.

MEASUREMENT

PK,FK	SENSORID	varchar2(200)
PK,FK	UNITID	varchar2(200)
PK	DATETIME	timestamp(6)(11)
	DATETIMEPLUS6	timestamp(6)(11)
	READING	number

SENSORCAPABILITY

PK,FK	SENSORID	varchar2(200)
PK,FK	UNITID	varchar2(200)
	TOLERANCE	number
	TOLERANCEUNIT	varchar2(200)
	NOTES	varchar2(12000)
	DATECHECKED	timestamp(6)(11)
	CHECKEDBY	varchar2(200)

MEASUREMENTUNIT

PK	UNITID	varchar2(200)
	UNITNAME	varchar2(200)
	UNITSYMBOL	varchar2(40)
	DESCRIPTION	varchar2(400)
	NOTES	varchar2(3000)

` (table)

PK,FK	SENSORID	varchar2(200)
PK,FK	UNITID	varchar2(200)
PK,FK	DATETIMEFROM	timestamp(6)(11)
PK	MEASNOTENUMBER	number
	DATETIMETO	timestamp(6)(11)
	NOTES	varchar2(12000)
FK	MADEBY	varchar2(200)

SENSOR

PK	SENSORID	varchar2(200)
	DATECHECKED	timestamp(6)(11)
	STATUS	varchar2(1600)
FK	CURRENTPLACE	varchar2(200)
FK	RIVERID	varchar2(200)
	DATEMOVED	timestamp(6)(11)
	BATTERYLEVEL	number
	NOTES	varchar2(12000)
FK	ENTEREDBY	varchar2(200)
FK	UPDATEDBY	varchar2(200)
	ACTIVE	char(1)

APPUSER

PK	USERID	varchar2(200)
	DISPLAYNAME	varchar2(200)
AK	USEREMAIL	varchar2(200)
	PASSWORDHASH	varchar2(256)
	SALT	varchar2(128)
	USERROLE	varchar2(10)
	USERSTATUS	varchar2(8)
	CREATEDAT	timestamp(6)(11)
	PASSWORDRESETTOKEN	varchar2(256)
	PASSWORDRESETEXPIRY	timestamp(6)(11)

PLACE

PK	PLACEID	varchar2(200)
PK,FK	RIVERID	varchar2(200)
FK	DOWNRIVERPLACEID	varchar2(200)
FK	DOWNRIVERRIVERID	varchar2(200)
	DOWNRIVERDISTANCE	number
	LAT	binary_double(8)
	LONGITUDE	binary_double(8)
	NEARLAT	binary_double(8)
	NEARLONG	binary_double(8)
	DATECHECKED	timestamp(6)(11)
	DESCRIPTION	varchar2(1600)
	NOTES	varchar2(12000)
FK	ENTEREDBY	varchar2(200)
FK	CHECKEDBY	varchar2(200)

RIVER

PK	RIVERID	varchar2(200)
	RIVERNAME	varchar2(200)
	SOURCELAT	binary_double(8)
	SOURCELONG	binary_double(8)
	MOUTHLAT	binary_double(8)
	MOUTHLONG	binary_double(8)
FK	DOWNRIVERID	varchar2(400)
	CONFBANK	char(1)
	DESCRIPTION	varchar2(1600)
	NOTES	varchar2(12000)
FK	ENTEREDBY	varchar2(200)