AttendU MySQL Document

Users: store user profile and login info (username and password)
1. (uid),
2. Firstname(NT),
3. Middlename,
4. Lastname(NT),
5. EmailAddress(NT),
6. Username -- Required for non-anonymous situation.
7. Password -- Related to Username.
8. CellPhone -- Phone number.

Token: store token message for user login and logout
1. (uid) -- PK
2. token(NT) -- When user perform login, a token will be created automatically.
3. createTime(NT) -- Mark the creation time of each token.
4. expiration -- Expiration time of current token. If token expires,
   user will need to login again with username and password.

Rooms: store basic information of rooms
1. (rid) -- PK
2. Name(NT) -- Each room will be granted a name by admin when created.
3. rcid(NT) -- FK, used to link to "RoomConfig" table for room configuration.
4. ParticipantNum -- Number of participants required for this room.
5. Description -- A brief discription of this room

RoomConfig: identify the scenario type and anonymous setting for each room
1. (rcid) -- PK
2. sid(NT) -- FK, used to link to "scenarios" table for application scenario of this room.
3. Anonymous -- Anonymous setting, boolean.
   Set to 0 for false (non-anonymous) and 1 (anonymous) for true.

Scenarios: store all types of scenarios
1. (sid) -- PK
2. text(NT) -- Scenario type. (e.g. School, Business...)

Activities: store basic information of activities
1. (aid) -- PK
2. Name(NT) -- Name of this activity, e.g SMA, OOD, SE….
3. Date(NT) -- When will this activity start
4. acid(NT) -- FK, used to link to "ActivityConfig" table for activity configuration.

ActivityConfig: store more detailed information for each activity
1. (acid) -- PK

2. Name(NT) -- the class of activities, e.g class, meeting….
3. Description -- A brief description of the activity, e.g purpose, the required number of persons in that activity…..

Admin: identify administrator of each room
1. (uid+rid) -- PK

Checkin: when user perform checkin to activities, the following info will be store in this table.
1. (uid+rid+aid) -- PK
2. CheckinTime -- TimeStamp automatic inserted/updated
   when user click checin button for some activity

Participation_activity: identify the participants for each activity
1. (uid+rid+aid) -- PK
2. Attendance -- Default 0. If set to 1, user already checked-in to this activity and 2 means absent. If absent, user can then upload proof or provide absent reason.
3. absentReason -- User can provide reason for his/her absence of this activity
4. createTime -- TimeStamp added automatically

Participation_room: identify the participants for each room
1. (uid+rid) -- PK

RA_link: link table of Rooms and Activities
1. (rid+aid) -- PK