Mindfulness - Application Flow

VR Application

Web application (clinician side)

Upload new audio tracks

With this.clinician & current_session=true

Select Client

Start application

No SQL Database

6 - PIN Authentication

1

Username

2

5

Setup UI

Eg: 00014

Generate Session ID

3

6

Changing Variables

Sample Data

Generate Data

7

Running VR app
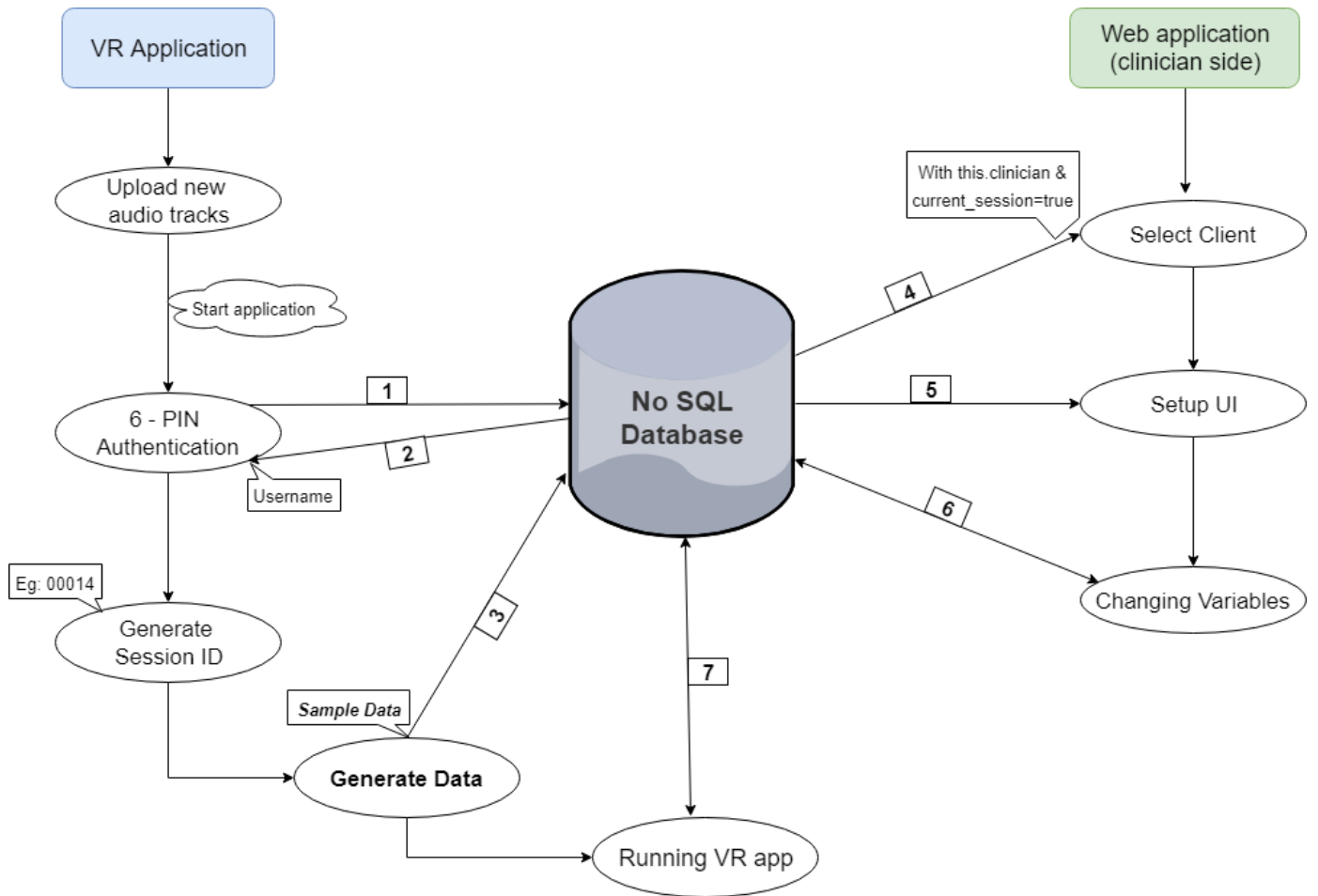
1	Once the client enters the 6-digit PIN, System authenticates with database
2	If authentication is successful, Database returns the username back to the VR app
3	The generated data is stored under the current username's specific session ID (created in the previous step), on the Database
4	Queries for clinician's clients and client's Current_session field (=true) and lists them on the web application
5	Queries the scene and audio settings from the generated data from (3) and displays in a neat UI
6	Changes made by the clinician on the scene & audio settings is stored into database OR retrieve changed variables from database, set from (7)
7	Fetches new settings from database, made by (6) and storing changed variables from VR app into database

Data Model (JSON format)

```json
<Username>: {
    <Session_number>: {
        "Current_session": "True/False",
        "Date": "",
        "Audio": {
            "Tracks": ["guide1.mp3", "guide2.mp3", "~NewlyAddedTracks"],
            "Current": "guide1.mp3",
            "Vocal_volume": 0-100,
            "Background_volume": 0-100
        },
        "Scene":{
            "Scene_id": 0,
            "Timeline": 0-24,    //24 Hour format
            "Cloud_speed": 1-10,
            "Breathing": "True/False"
        },
        "Start_timestamp": "~DatTime format",
        "End_timestamp": "~DateTime format",
        "Duration": "~TimeSpan format",
        "Health_monitor": {
            "Start_heartrate": 0,
            "End_heartrate": 0,
            "Max_heartrate": 0,
            "Min_heartrate": 0,
            "Average_heartrate": 0,
            "File": <File_Upload_URL>
        }
    }
}
```

Sample Data (JSON format)

```json
"abhijit.93@hotmail.com":{
    "00011":{

        "Current_session": "False",

        ..

        ..
    },
    "00012":{
        "Current_session": "False",

        ..

        ..
    },
     "00014":{
        "Current_session": "True",
        "Date": "",
        "Audio": {
            "Tracks": ["guide1.mp3", "guide2.mp3", "guide3.mp3", "myNewGuide.mp3"],
            "Current": "guide1.mp3",
            "Vocal_volume": 70,
            "Background_volume": 50
        },
        "Scene":{
            "Scene_id": 0,
            "Timeline": 0830,
            "Cloud_speed": 4,
            "Breathing": "True"
        },
        "Start_timestamp": "3/12/2018 10:03:06 PM",
        "End_timestamp": "NA",
        "Duration": "NA",    //"02:14:18 TimeSpan format"
        "Health_monitor": {
            "Start_heartrate": 0,
            "End_heartrate": 0,
            "Max_heartrate": 0,
            "Min_heartrate": 0,
            "Average_heartrate": 0,
            "File": "NA"
        }
    }
},
```