**HITHAM**

Hitham is an application for differently abled children (autism). Some of these children are very good at singing or listening to music. So this application has music or songs as an integral part. In this application admin adds new songs or music to the list and teacher assigns selected songs to the children. The children can listen to the songs any number of times and their activity is recorded (which song does a particular child like very much, which part of the song does the child like to listen etc.) in the database and this data can be used for further research or analysis. (The input for this was provided by Mrs. Bombay Jayasree, the famous singer, music composer)

URL :

<http://ehrcapps.iiitb.ac.in/hitham/>

***Technologies Used:***

Frontend (browser): HTML, bootstrap, angularJS, jQuery

Frontend (hybrid mobile app – no separate backend): HTML, Bootstrap, JavaScript, jQuery

Backend: Java, JERSEY RESTFUL web services, MAVEN build, ORM (JDBC for connecting to the database)

Database: MySQL database

***Configuration files for browser version (only for admin and teacher)***

/hitham/src/org/ hitham /HITHAM/database/DatabseConnection.java

/hitham/WebContent/javascript/Global.js

***Configuration file for Cordova android mobile app version (this is only for users):***

C:\Users\admin\Desktop\HITHAM\HithamMobileApp-V2\Hitham\www\config\ Global.js

***ROLES:*** admin, teacher, student

Admin – admin login, admin can add new user to the list of users, new teacher to the list of teachers, new songs to the list of songs, can assign new playlists to a song (song is a collection of playlists), edit existing song details, delete existing song, edit existing teacher details, delete existing teacher, edit and delete existing student, assign new student to a teacher etc.

Teacher – teacher login, assign songs to children, assign new playlist to a song, delete playlist from a song, edit playlist, edit song, view the list of students assigned to that teacher, view the list of other students, view the playlist and song assigned to other students of other teachers.

Student – student, login, view the assigned songs, view the playlists in a song, play playlists.

Hitham browser version is for admin and teacher while the mobile app version is for students.

Admin page:

hitham browser admin login

local server

<http://localhost:8080/hitham/>admin

(Username, password: hitham, 123456)

Ehrc server

<http://ehrcapps.iiitb.ac.in/hitham/admin>

(Username, password: hitham, 12345)

In the teacher login, there is an option “My student analysis” which, upon clicking, opens a new page for displaying the student level analysis, raga level analysis etc.