

Software Requirements Specification (SRS) Document

Team Number : 3,
Team Members : Pratham Thakkar, Chirag Jain, Keval
Jain, Romica Raisinghani

Brief problem statement

TheAtom is a startup with a vision to enhance the meditation experience, with one of the approaches being generating personalized meditation audio clips based on users' preference. Our objective is to develop a software for TheAtom's CMS (content management system) team, which would enable them to create these audio clips. They would first select a template, and further select, individual snippets for each snippet group, and the following silence duration. A few more options are provided such as total duration, total silence level, and an option to randomise the selection process to further help the CMS team in creating meditation audio clips.

Users profile

The software developed would be used by the CMS team of TheAtom to create personalized meditation audio clips. It's a web-application, created with React and Typescript for frontend, with Airtable used as database. Since our users are employees of TheAtom, we expect them to be well versed in using such applications. Also as our software is easy to use, we expect our users to face no difficulties in utilizing it to create the clips.

Project Modules

1. Working on the Frontend :

- The objective of this module is to modernise the user interface (i.e., the front end) of the meditation generation website that the Atom CMS team uses, by adding various features like a randomising feature for different meditation groups of a template to allow the Atom CMS team to create various meditation clips, which can then be suggested to their end users and help them to provide more personalization to the meditators, who are their end users.
- Submodules :
 - Template UI :
 - Providing a list of templates from the airtable api's backend, adding features like duration level, silence level, guidance percentage, and a feature to randomise them, etc.
 - Meditation Script UI :
 - A Providing corresponding meditation scripts for each template, with options for snippet group and silence length as well as a feature to randomise them.
 - Downloading the resulting meditation snippet :
 - A download option for the stitched audio meditation script in the necessary wav format.

2. Backend with Airtable api :

- The goal of this module, which will run concurrently with module 1, is to make sure that the new UI is compatible with the backend and that we can carry out the necessary store, get, update, and delete operations on the Airtable as needed.