

# Scenic Meditation

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## Description:

This website provides users with a mix of nature sounds (white noise) and music to help them relax and meditate.

## Functions:

### 1. Basic functions for non-registered and registered users:

- Home page (see UI-mock-up/1home.png ):
  - i. Users can view a list of nature sounds/scenes selections in our website: The website will have a list of nature sounds/scenes themes at the bottom of website. Users can scroll to view the whole list, and click to go to the Album Stream page and play the sound of the chosen theme.
  - ii. Automatically play the default sound and display the interactive 3d scene: when user first opens the web site, it will automatically play a random loop nature sound in the list and its corresponding interactive 3d scene.
  - iii. We will use WebGL to create the interactive 3d scene for only one sound theme (probably the rain theme), and use videos from youtube as placeholder for other sound themes. If we have time, we will make more scenes.
- Album Stream page (UI-mock-up/2albumStream.png ):
  - i. View a list of albums of registered users: On this page, albums have the nature sound you have chosen as their background sound. (Albums are sorted by most upvotes)
  - ii. Experience the mix of sound and music in the album: User can choose an album to play. Musics in the album will play with the background nature sound. The music list of the album will shows at the right side of page.
  - iii. Click the owner name of one album to go to owner's stream page (also contains basic informations of this owner).
  - iv. Search a sound/album.

## 2. Additional pro functions for registered user:

- i. Create an account, login and logout.
- ii. Save an album to your favorites.
- iii. Upvote a mix of sound and music combination or an album.
- iv. Create their own album: To create the album, you need 1, Choose a nature sound as the background sound. 2, Add musics to your album.(UI-mock-up/3createAlbum.png )
- v. Pin music or video from other albums (UI-mock-up/4addMusic.png) or from other websites (We probably will write an extension for browser): We may not store our sound or music really in our database. For those who find their preferred sound or musics from internet, we allow them to provide a link. For youtube as an example, we will write a web crawler based on youtube's APIs. When user only provides the link, our site can crawl all need information for that link, including the title, name, time, comments, etc. Also we will play the content of the link within our own site, to make better consistency, with the use of ajax.
- vi. Edit albums page: (UI-mock-up/5edit.png) Delete a music from a album; create a new album; change album picture.
- vii. Upload their own sound.

## Stretch Functions:

- i. We are not sure whether comment functions are necessary for our website. The below points will be the most likely to be added:
  - Leaving comments on an album: We may use NoSQL techniques (MongoDB or PostgreSQL) to handle the comments database, which users can comment on others' comments recursively
  - Show notation for new comments: Display a red bubble with notation number on user's profile picture. (Similar to iphone notation bubble on icon's left-top corner.)
- ii. Integration with a music streaming service for better song selection.
- iii. Scenes that change according to the local weather.
- iv. Adding widget that might be useful for someone who is studying: clock, calendar, todo list, etc.
- v. Integration with Facebook or Twitter or Google-Earth.