Jazz Chord Generator: User Documentation

Getting Started

Prerequisites

- Ensure you have Java installed on your system. You can check this by running `java -version` in your command line or terminal. If Java is not installed, please download and install it from the official website.

Running the Application

1. Open your command line or terminal.
2. Navigate to the directory where the `src` directory and `pom.xml` file are located.
3. Compile the Java files by running:

```
mvn compile
```

4. Once compiled, start the application by running:

```
mvn exec:java
```

Using the Application

Main Menu

- Upon launching, the application will display a welcome message followed by a prompt to start. Enter `S` key to proceed.
- You will then see the main menu offering the following options:
    - `[C]hords` - To practice with chord exercises.
    - `[S]cales` - To practice with scale exercises.
    - `[E]xit` - To close the application.

Chord Exercises

- If you choose the chord exercises by entering `C`, you will be presented with different difficulty levels and chord types to choose from.
- Select an option by entering the corresponding number (1-6), where:
    - `1` is for Easy module (Basic triads exercising),
    - `2` is for Easy+ module (Basic triads and augmented fifth triads),
    - `3` is for Medium module (Seventh chords),
    - `4` is for Medium+ module (Seventh and diminished seventh chords),
    - `5` is for Hard module (All chord types),

- 6 is for Special module (All chord types starting from a chosen or random root note will be able to practise).
- Follow the prompts to specify further details like the root note or the number of chords to generate.

Scale Exercises

- If you choose the scale exercises by entering S, you will have options to focus on different aspects of scale practice:
    - 1 for Root-based exercises,
    - 2 for Type-based exercises,
    - 3 for Random scale exercises.
- Depending on your choice, you might need to input a specific root note, scale type, or the number of scales you wish to practice.
- Follow the on-screen instructions to proceed with the exercises.

Exiting

- To exit the application, follow the instructions that will return you to the main menu and enter E.

Additional Commands

- During exercises, you can request hints by pressing H. This will display additional information to assist you with the exercise.

Tips for a Better Experience

- Ensure your inputs match the expected format (e.g., root notes should be in the form of 'C', 'A#', 'Bb', etc.).
- Take advantage of the hint feature to enhance your learning.
- Regularly practice with a variety of exercises to improve your musical theory knowledge.