

UltimateScale

User Manual

BGSMM

UltimateScale?

UtimateScale is a music scale learning assistant. Are you confused and tired of difficult terms and complex scale structures such as Mixolydian and Locrian? With UltimateScale, you can learn by looking at a composition in staff score, directly touching a keyboard key on the app, listening by ear, and moving freely in key. In addition, you can learn the scale efficiently through a quiz using the Leitner System, which is famous for learning by memorization. In addition, you can upload and share comments of various scales and your own learning know-how through the Internet Archive.

Scales

The screenshot shows a mobile application interface titled "Scales". At the top, there is a status bar with the time "9:46", signal strength, and battery level. Below the status bar, the title "Scale List" is centered above a search bar with the placeholder "Search". To the right of the search bar are "Edit" and "Add" buttons. The main content area displays a list of scales, each with a name, a priority rating (5 stars), and a small icon. The scales listed are: Acoustic scale, Altered scale (Super Locrian scale), Augmented scale, Bebop dominant scale, Double harmonic scale, Enigmatic scale, Flamenco mode, Gypsy scale, Half diminished scale, Harmonic major scale, Hirajoshi scale, and Hungarian major scale. At the bottom of the screen are navigation icons for "Scales" (musical notes), "Quiz" (game board), "Archive" (document), and "Settings" (gear).

Scale Name	Priority (Star Rating)
Acoustic scale	★★★★★
Altered scale Super Locrian scale	★★★★★
Augmented scale	★★★★★
Bebop dominant scale	★★★★★
Double harmonic scale	★★★★★
Enigmatic scale	★★★★★
Flamenco mode	★★★★★
Gypsy scale	★★★★★
Half diminished scale	★★★★★
Harmonic major scale	★★★★★
Hirajoshi scale	★★★★★
Hungarian major scale	★★★★★

- Add: You can add new scale information.
- Edit: You can delete the scale or change the sort order. (Changing the sort order is possible only when the sort criterion is My Priority)
- Sort: It is possible to sort by name order, star order order, etc.
- Click a cell in the list to go to its details.
- Priority(star rating) can be set according to the degree of importance. Swipe left or right to set the priority from 1 to 5.

Scales > Detail Page

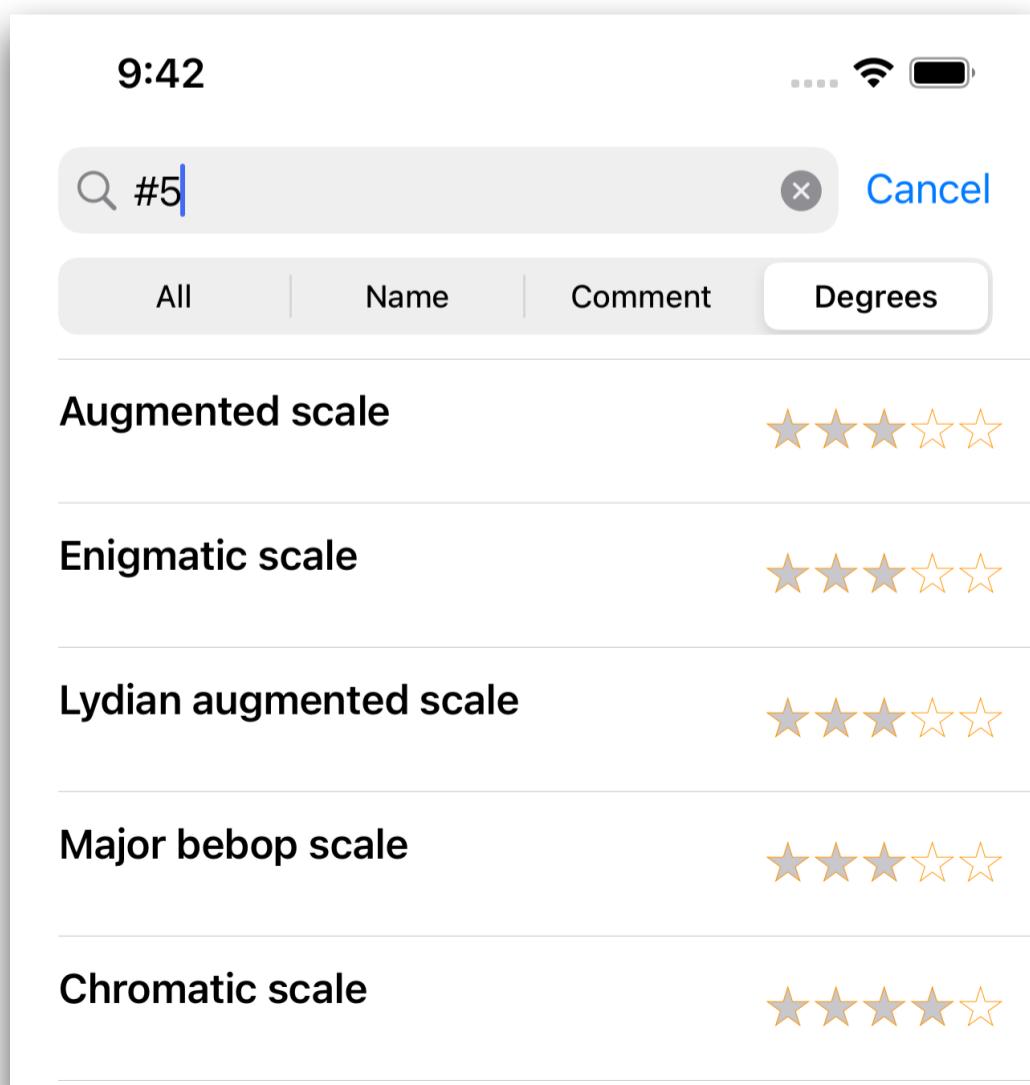
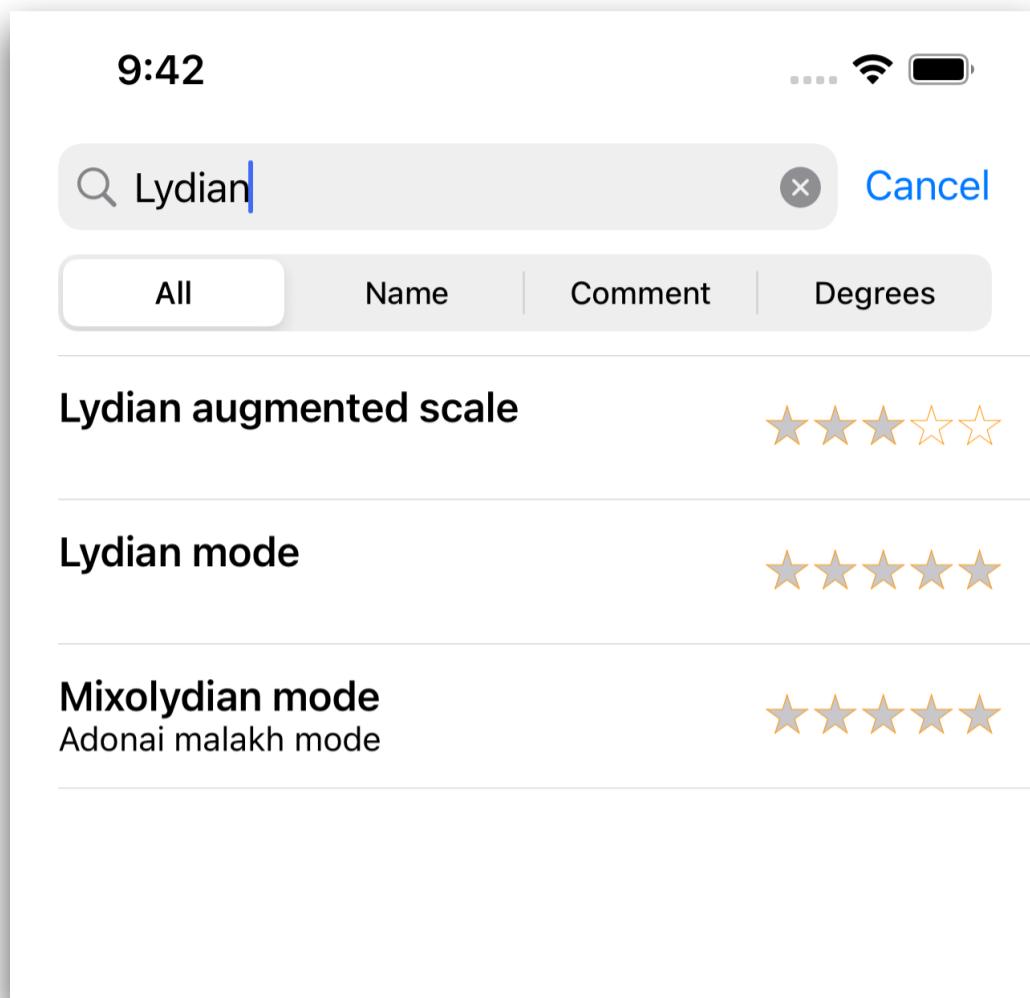
The screenshot shows the 'Altered scale' detail page. At the top, there's a navigation bar with 'Scale List' (blue), 'Altered scale' (black), and 'Update' (blue). Below it is an 'INFORMATION' section with the following details:

Name	Altered scale
Alias	Super Locrian scale
Degrees (Asc.)	1 ♭2 ♭3 ♭4 ♭5 ♭6 ♭7
Integer Notation (Asc.)	(0, 1, 3, 4, 6, 8, 10)
Pattern (Asc.)	1 2 1 2 2 2 2
Priority	★★★☆☆

Below this are 'Ascending' and 'Descending' buttons. The main area shows a musical staff with notes: C, D♭, E♭, F♭, G♭, A♭, B♭, C. A red box highlights the staff and the note names below it. To the right of the staff, Korean text '악보가 표시됩니다.' (The score is displayed) is overlaid. At the bottom, there's a control panel with 'Enharmonic Mode' (Scale's default), 'Transpose in C', 'Tempo (BPM) 120', and 'Octave' controls. Below the panel is a piano-roll style interface where notes are played by touching keys. At the very bottom are navigation icons: 'Scales' (musical notes), 'Quiz' (dice), 'Archive' (globe), and 'Settings' (gear).

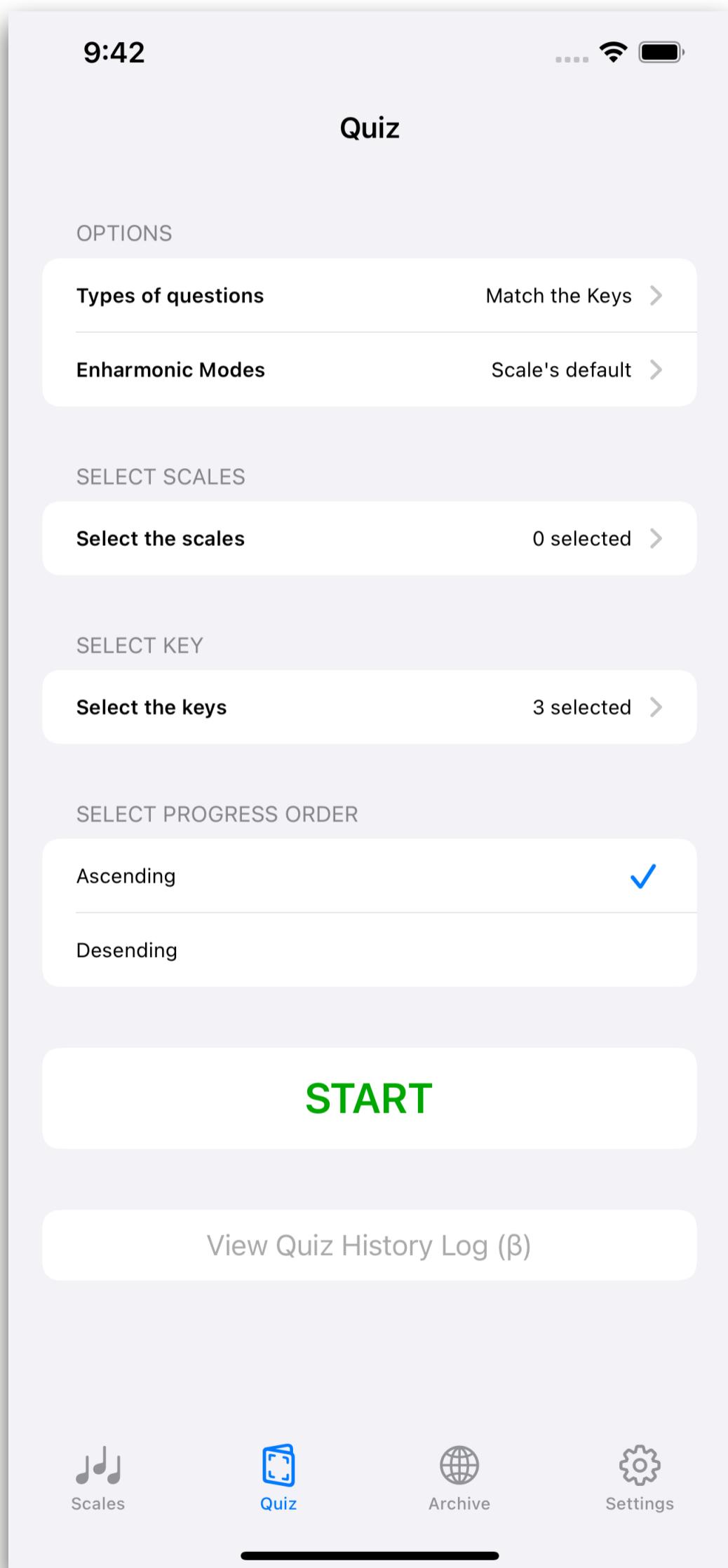
- Update: Update existing scale information.
- See detailed information about the scale in the information screen.
- Touch the arrow button marked with a red box to get a wider view of the information screen.
- You can learn about scale by looking at the score yourself.
- Supports display in ascending and descending order. If the constituent notes in ascending order and descending order are different, it is reflected and displayed.
(Example: Melodic Minor, etc.)
- It is possible to change the display method of Enharmonic.
- You can hear the notes directly. Click the play button. You can change transposition, tempo, and octave when playing a sound on the panel.
- When you touch a key, the corresponding note is played.

Scales > Search



- You can search by various conditions.
- All: Search by combining the three categories below.
- Name: the name of the scale
- Comment: Search by comment
- Degrees: Search by Degrees.
- Writing the constituent sounds from C (Do) to B (Si) in Roman numerals is called degrees notation.
- The screen below is an example of frequency search, and if you search for #5, it will search for and display the scale containing #5 among the scales.

Quiz



- **Choosing a Quiz Type**
 - In Match the Keys, given the name of a scale as a question, you have to match the note composition of that scale.
 - Guess the Name is a type of flashcard quiz where given a sheet of music, you look at the sheet (or listen the sounds) and guess what the name of the scale is.
- You can choose which scale, key, ascending or descending order the quiz will be targeted for.
- Effective learning is possible by introducing the famous memorization method, the Leitner System.

Quiz > Match the Keys

The screenshot shows a mobile application interface for a music quiz. At the top, the time is 9:42 and there are connectivity and battery icons. Below the header, it says "E Enigmatic scale" with a blue "Up" arrow icon. A progress bar indicates "Cycle: 0 | Quest of Cycle: 1 | Not Studying Yet: 9 | In Studying: 0 | Finished: 0". The main title "E Enigmatic scale" is displayed in large bold letters, with "Ascending" below it. A small emoji of a thinking person is shown. Below the title, the text "E Enigmatic scale" is written in cursive. A musical staff with a treble clef and a single note is shown. At the bottom, there are three buttons: "On Edit" (black), "Answer" (light gray), and "Together" (light gray). An orange "Submit" button is on the left, and a "Reset" button with a blue "X" icon is on the right. Below these buttons is a piano keyboard graphic with seven black keys. At the very bottom, there are four navigation icons: "Scales" (two notes), "Quiz" (blue square with white icon), "Archive" (globe), and "Settings" (gear).

- The question of 'what kind of notes the E Enigmatic Scale is made of' appeared.
- Tap the keyboard at the bottom of the screen to add notes.
- Press Reset to initialize the input value, and press the Backspace button to erase one note.
- When you have added all notes, click the Submit button to submit your answer.
- Tap the keyboard at the bottom of the screen to add notes.
- Press Reset to initialize the input value, and press the Backspace button to erase one note.
- When you have added all notes, click the Submit button to submit your answer.

Quiz > Match the Keys

9:43

.... ⚡ 🔋

Back E Enigmatic scale ⬆

Cycle: 0 | Quest of Cycle: 1 | Not Studying Yet: 9 | In Studying: 0 | Finished: 0

E Enigmatic scale
Ascending

Failed

E Enigmatic scale

✗ You

✓ Answer

On Edit Answer Together

Next >> Reset ✕

Scales Quiz Archive Settings

- If the answer to the question is incorrect, the answer label is displayed in red.
- On Edit: The note of the sheet music I am writing is played.
- Answer: The note of the correct score will be played.
- Together: Plays both scores simultaneously. You can hear the sound and know which part is wrong.
- Click the Next button to move on to the next question.

Quiz > Match the Keys

9:45

.... ⚡ 🔋

< Back E Ionian mode ⬆

Cycle: 0 | Quest of Cycle: 1 | Not Studying Yet: 3 | In Studying: 0 | Finished: 0

E Ionian mode
Ascending

Success

E Ionian mode

You

Answer

On Edit Answer Together

Next >> Reset ✕

Scales Quiz Archive Settings

- If the answer is correct, the answer label is displayed in green.
- If you get a lot of questions right, the number of repetitions will be reduced, but if you do not get it right, the questions will be repeated according to the question cycle of the Leitner system.

Quiz > Guess the Name

When given the score of the scale in flashcard format, think about the name, then tap the card to flip it over and check the correct answer. Click Got it if you got it right, or Study Again if you're wrong.

9:45

Back Guess the Name

Cycle: 0 | Quest of Cycle: 1 | Not Studying Yet: 3 | In Studying: 0 | Finished: 0

???

1 2 3 4 5 6 7 🤔

▶

Got it **Study Again**

Scales Quiz Archive Settings

9:45

Back Guess the Name

Cycle: 0 | Quest of Cycle: 1 | Not Studying Yet: 3 | In Studying: 0 | Finished: 0

E Ionian mode

▶

Got it **Study Again**

Scales Quiz Archive Settings

Archive > Upload

After selecting a scale saved on your local device, review the information through preview and upload it by clicking the Submit button. Editing is not possible in the upload menu.

9:45

Download Submit

Dorian Scale

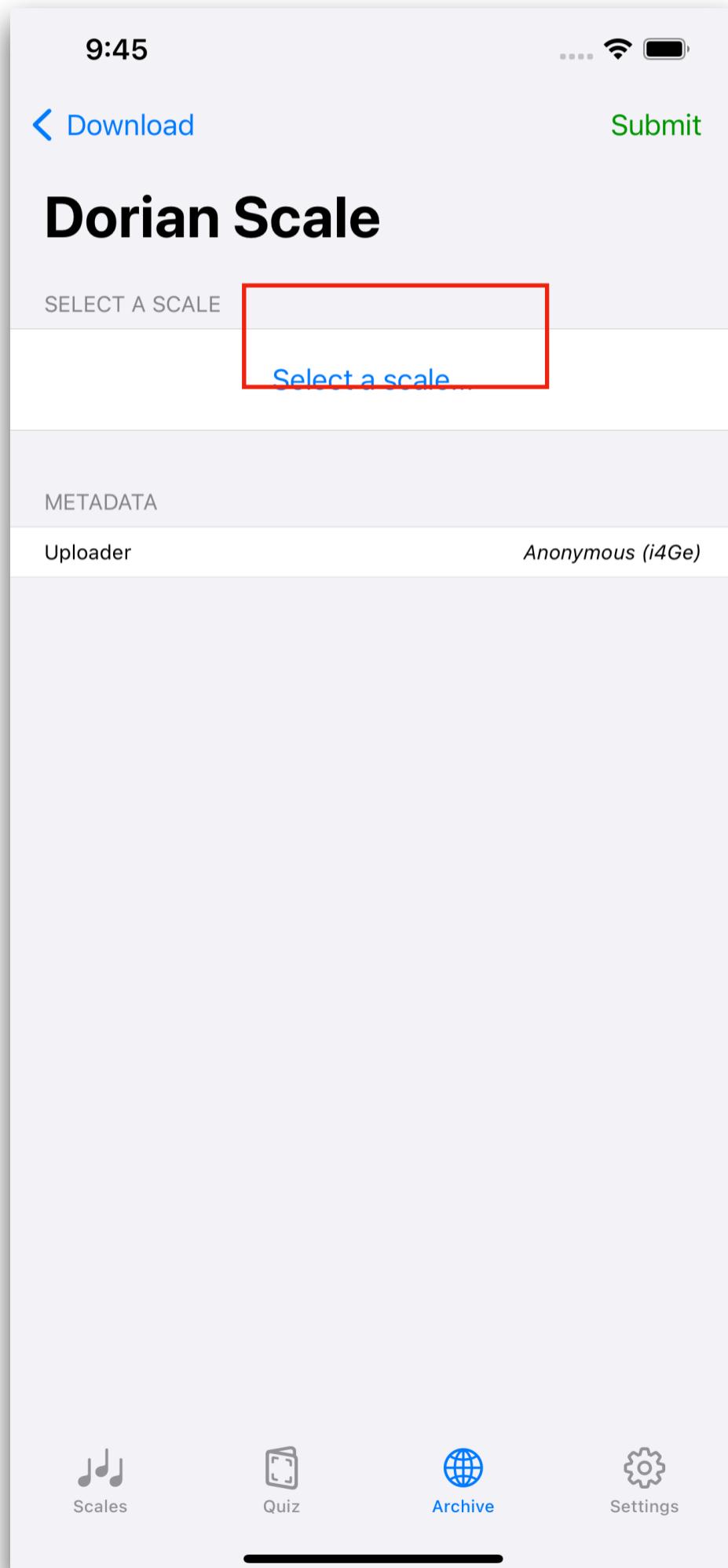
SELECT A SCALE

Select a scale...

METADATA

Uploader Anonymous (i4Ge)

Scales Quiz Archive Settings



9:45

Download Enigmatic scale Submit

SELECT A SCALE

Select a scale...

PREVIEW

Ascending Descending

C Enigmatic scale 



This scale has the same ascending and descending order.

INFORMATION

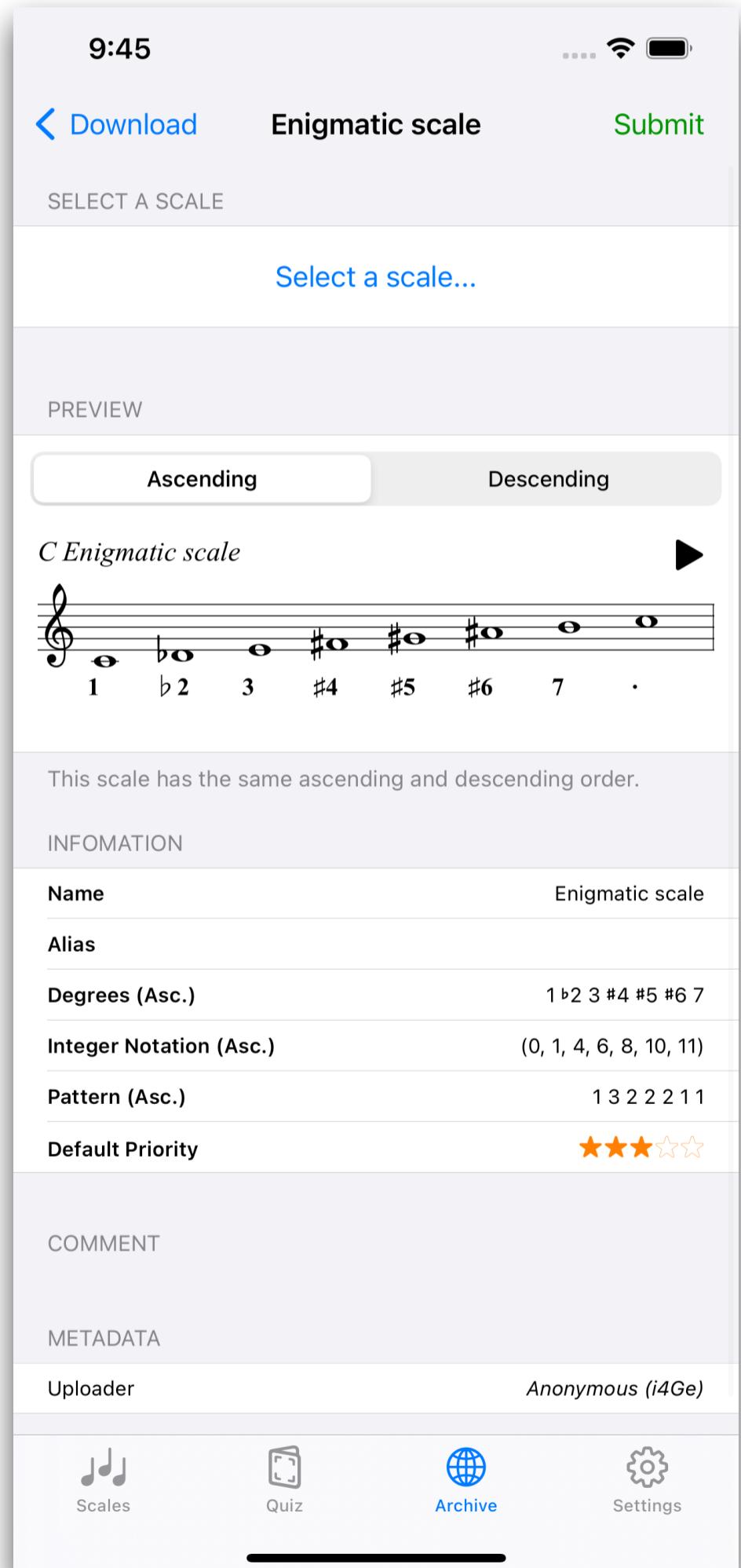
Name	Enigmatic scale
Alias	
Degrees (Asc.)	1 b2 3 #4 #5 #6 7
Integer Notation (Asc.)	(0, 1, 4, 6, 8, 10, 11)
Pattern (Asc.)	1 3 2 2 2 1 1
Default Priority	

COMMENT

METADATA

Uploader Anonymous (i4Ge)

Scales Quiz Archive Settings



Settings

You can change the instrument to be used when playing sheet music and playing keyboard touch sounds. Over 100 instruments are supported. You can use the Custom menu to display the enharmonic mode in sheet music.

9:45

Back Select a Playback Instrument

Piano

- 1: Acoustic Grand Piano
- 2: Bright Acoustic Piano
- 3: Electric Grand Piano
- 4: Honky-tonk Piano
- 5: Electric Piano 1
- 6: Electric Piano 2
- 7: Harpsichord
- 8: Clavinet

Chromatic Percussion

- 9: Celesta
- 10: Glockenspiel
- 11: Music Box
- 12: Vibraphone
- 13: Marimba
- 14: Xylophone

Scales Quiz Archive Settings

9:45

Back Settings Enharmonic Notations

HOW TO USE

1. Click the note you want to change in the 'Note List', which is notated and sorted by MIDI number notation. (C4 = 0, divided in semitones)
2. Select one of the available lists of Enharmonic notes.

NOTE LIST

AVAILABLE ENHARMONIC NOTES

Scales Quiz Archive Settings

Thank You

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Blog: <http://yoonbumtae.com> (Korean)

GitHub repo: <https://github.com/ayaysir/MusicScale>

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