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**Monnig Meteorite Gallery**

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**Monnig Meteorite Gallery  
Tour Assistance Application  
User Manual**

**Version <1.0>**

<Project Name>	Version: <1.0>
Vision	Date: <dd/mmm/yy>
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## Revision History

Date	Version	Description	Author
10/1/2021	Alpha 1.0	Starting Documents	Asa Tuten
11/17/2021	Alpha 2.0	Updating Documents	Aparajita Biswas

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# Monnig Meteorite Gallery

## 1.1 Purpose

With over 10,000 visitors per year presently, TCU's non-profit Monnig Meteorite Gallery all started when it opened on February 1, 2003. Although the museum's design has a natural flow to the gallery, the current design in terms of the content being displayed is not inclusive to some audiences. In order to encompass this, the exhibit's paradigm should append the following, visual accessibility, content for more languages, and for all ages. This is to make content more accessible and user-friendly.

## 1.2 Project Overview

The Monnig Meteorite Gallery Tour Assistance Application is a tablet application running on the gallery's tablets, provided to visitors in order to aid visitors with visual impairments navigate the gallery more effectively. The application provides language selection, font-size adjustments, contrast settings, and text-to-speech to accommodate visitors as needed.

## 1.3 References

The TCU Monnig Meteorite Gallery has a website, located at.

<https://monnigmuseum.tcu.edu/>

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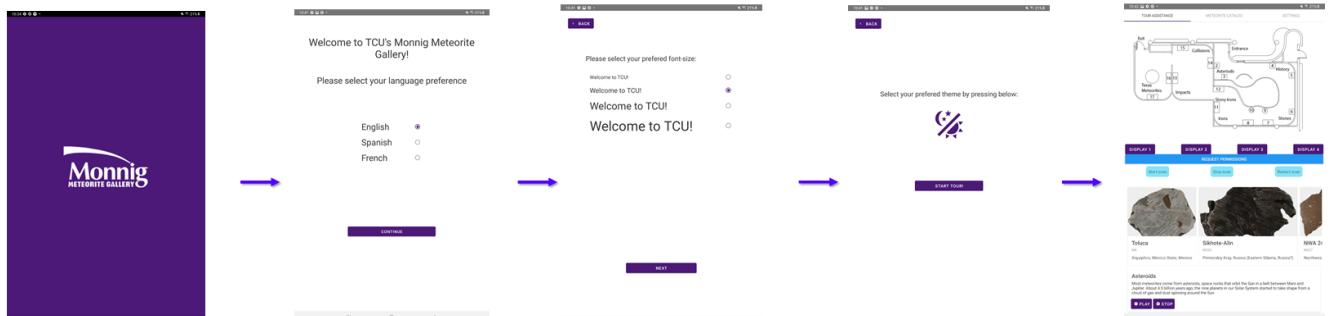
## 2. System Structure

### 2.1 Types of Users

Curator	The museum's curator is able to add, remove, and update samples from the database, as well as change which samples are listed as on display.
Visitors	Visitors can only view the information from the database, and interact with the app to navigate the gallery.

### 2.2 System Organization

Language Translation	Static and Dynamic language translation allows for support in up to 109 languages, though 4 are currently implemented
Text-to-Speech	Text-to-Speech, integrated within the language translation functionality, allows text to be played aloud in any supported language
Font Changes	Multiple Font Size Options accommodate users with blurred vision or loss of central gaze
Contrast Settings	Light and Dark modes accommodate users who have difficulty with contrast and brightness in the dim gallery
Bluetooth/QR Codes	Bluetooth Beacons and QR Codes allow content to be dynamically generated as the user navigates the gallery



Select preferred language, font, and theme for the best clarity.      Tour Assistance Screen

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### **3. Instructions For Visitors**

#### **3.1 Choose Preferred Language**

To begin, visitors select their preferred language to accommodate non-English speaking visitors

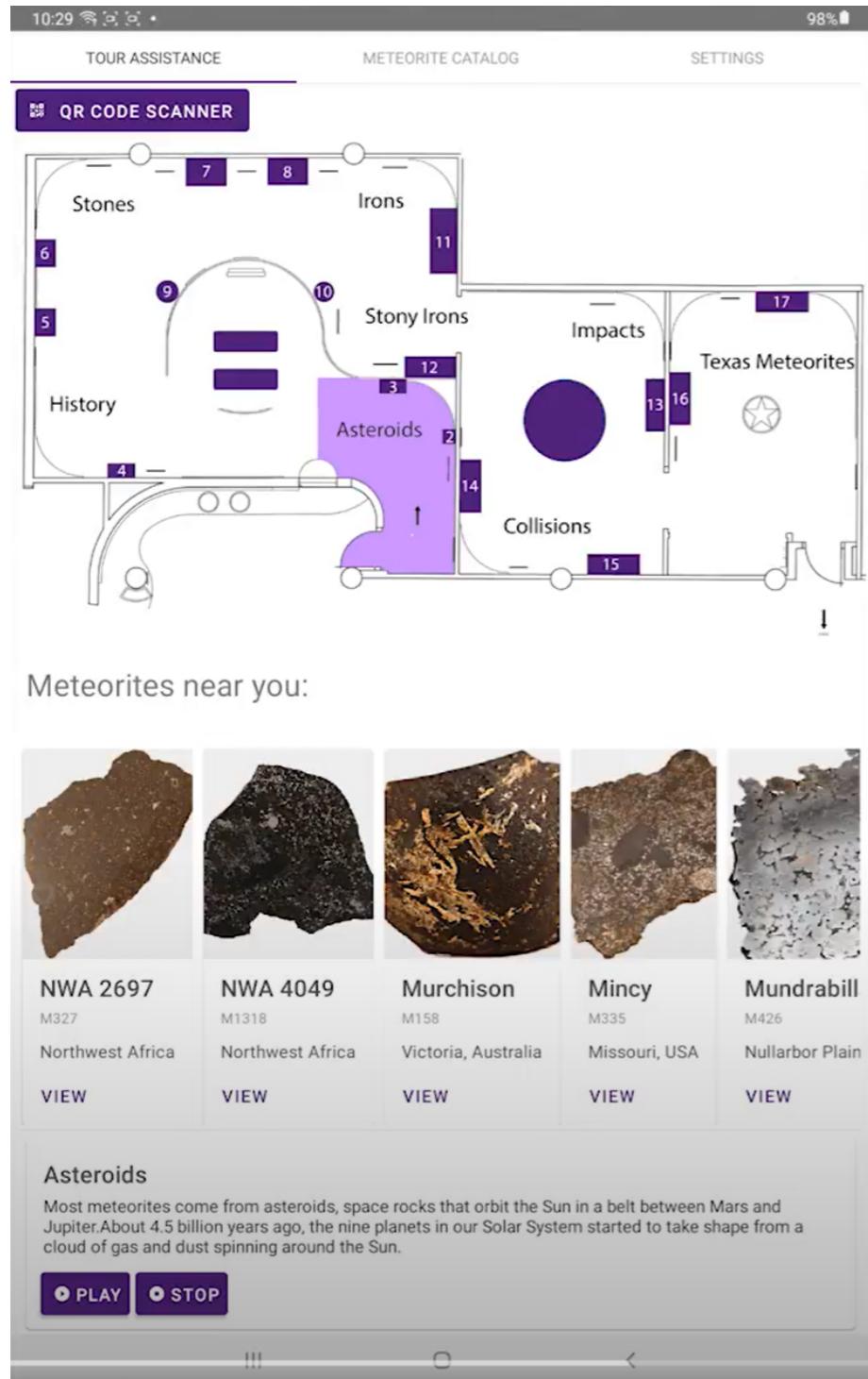
#### **3.2 Pick Desired Font Size**

Users can select their desired font size to aid with issues in visual acuity

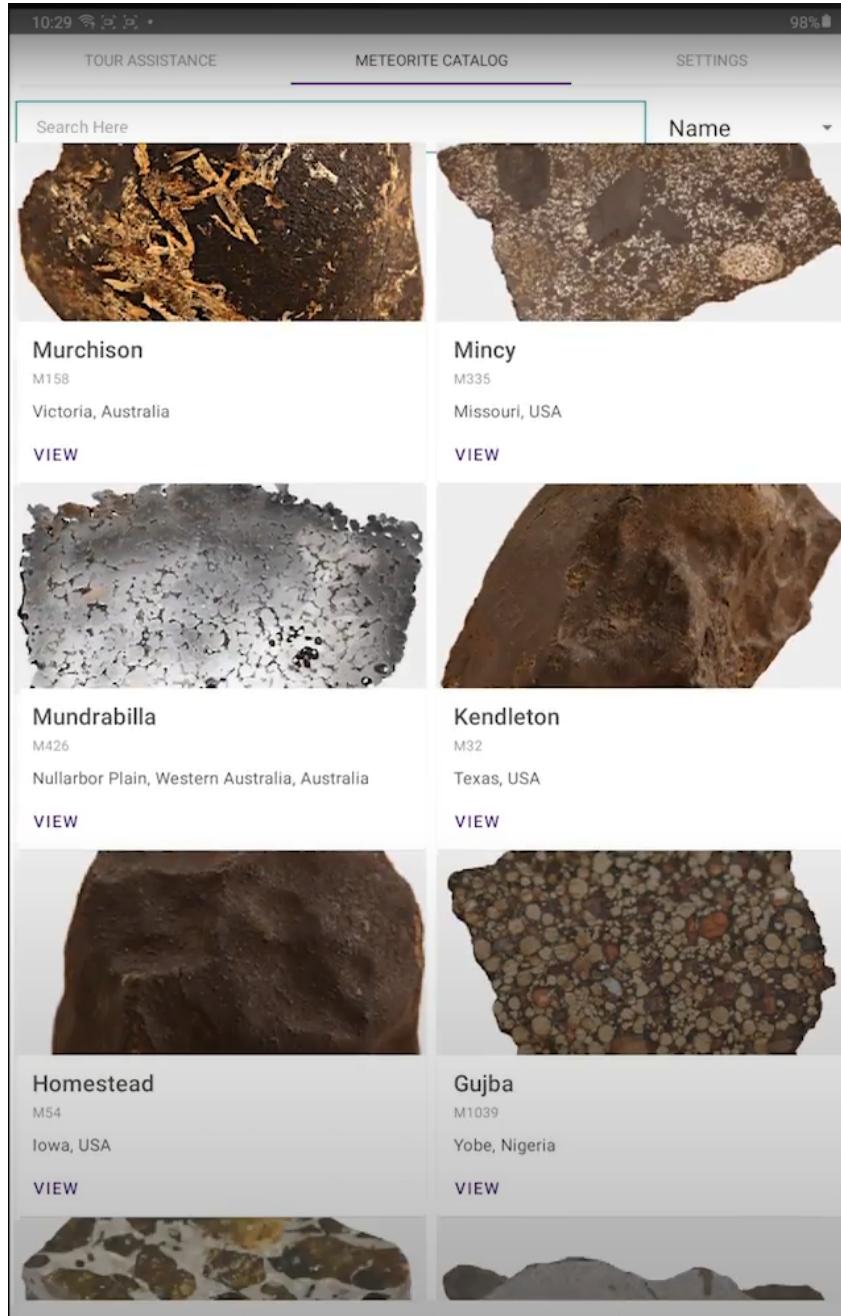
#### **3.3 Start Touring The Monnig**

Once preferences have been selected, content is generated as the user walks within the gallery

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### 3.4 Dynamically Change User Settings

Visitors to the gallery have the ability to change their setting preferences during the tour, all from one screen within the application

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