Art Gallery Management System - Part 1: Business Requirements

Maintain (Create/Edit/Delete) Art Records
Key Nouns: Administrator, Art Record/Status
Key Verbs: Add, Edit, Delete, Update
- To create a complete record containing all artwork within the art gallery, a gallery **administrator** would **add** the **information and photo for each art piece** into the system. Information details include art name, artist name, year created, theme, gallery location.
- If any mistakes are made or updates are needed, the **administrator** has access to **edit** the **information**.
- If an art piece is permanently moving out of the gallery, the **administrator** can **delete** the **record**.
- At any given time, the gallery also tracks the movement of artworks to accurately note how many pieces are currently active within the gallery location. In the following situations, an **administrator** would need to **update** the **status** of the art record to inactive:
  - If the artwork is currently not showing because it is in maintenance, the administrator would need to promptly update this status
  - If the artwork is moved out of the gallery for a special event / lent out to a partner gallery and therefore not in its original location, the administrator would need to update the status to inactive as well.

Maintain (Create/Edit/Delete) Artist Records
Key Nouns: Administrator, Artist Record
Key Verbs: Add, Edit, Delete, Keep track
- In addition to a complete record of all artworks, the gallery also **keeps track** of information of artists whose artwork is present in the gallery.
- An artist is **added** when his/her art piece is first introduced/added to the art record.
- An artist is **deleted** if none of his/her artwork still exists in the gallery.
- The artist record can be **edited** if updates are necessary.

Search/Filter Art Records
Key Nouns: Administrator, Art Record
Key Verbs: Search, Filter
- To assist the gallery **administrator** in better maintaining art gallery records, he/she can **search** for an **art record** based on artwork name and artwork id.
- The **administrator** can also **filter records** to view artwork based on artist, theme, era, gallery location, status (active/inactive), etc.

Search/Filter Artists
Key Nouns: Administrator, Artist
Key Verbs: Search, Filter
- The gallery **administrator** can also **search** for the **artist** by name.
- The **administrator** can also **filter artist records** to view artists based on region, number of artworks, theme, etc.