

Use Cases and User Stories

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User Stories:

Use Case	User Story
A1 - Create Artefact	As a standard user, I want to be able to add new artefacts to the system.
A2 - Edit Artefact	As a standard user, I want to be able to correct or update information about an artefact after an entry for it was already created.
A3 - Delete Artefact	As a standard user, I want to be able to delete artefacts that should not be in the system, for example if they were added by mistake.
B1 - search for artefact by photo	As a curious user, I want to be able to find an artefact I'm looking for based on what it looks like.
B2 - learning about people	As a curious user, I want to learn at least a little bit about the people that are related to an artefact, so that I can better understand how the artefact is important.
B3 - learning about events	As a curious user, I want to learn at least a little bit about an event that is related to an artefact, so that I can better understand how the artefact is important.
C1 - create an addendum	As a standard user, I want to add to the story of an existing artefact as new things happen.
C2 - edit an addendum	As a standard user, I want to be able to edit an addendum so that I can, for example, correct mistakes.
C3 - delete addendum	As a standard user, I want to be able to delete addendums that should not be in the system, for example if they were added by mistake.
D1 - Login	As a standard user, I want to be able to login to access the system.
D2 - Log out	As a standard user, I want to be able to log out of the system, to protect my information.
D3 - Sign up	As a standard user, I want a way to be able to create an account for a new user of the system.
S1 - Add Image	As a standard user, I want to be able to upload relevant images to the system.
S2 - Add Event or Person	As a standard user, I want to be able to declare events or people related to something.

Core Feature 1 - Creating and Storing Artefacts

A1 - Create Artefact

Actors:

- User Amanda
- System

Description:

- Amanda has found a new artefact in her family's collection and wants to add it to the system. The events and people that it is related to are all already in the system, so she just needs to add the artefact.

Setup:

- Amanda has access to the system and is on the home page.

Actions:

- Amanda presses the "add artefact" button, and she is shown a form for inputting information about the artefact.
- If Amanda wants to add a picture of the artefact: see **Add Image**.
- Amanda types information into the text fields.
- There is a section for declaring which people are related to an artefact:
 - If Amanda would like to create a new person to add to the artefact: see **Add Person or Event**.
 - For each person that Amanda would like to add:
 - Amanda selects the person from the list. That person appears listed, and a textbox appears.
 - In the textbox, Amanda describes how the person is related to the artefact.
- There is a section for declaring which people are related to an artefact:
 - If Amanda would like to create a new event to add to the artefact: see **Add Person or Event**.
 - For each event that Amanda would like to add:
 - Amanda selects the event from the list. That event appears listed, and a textbox appears.
 - In the textbox, Amanda describes how the event is related to the artefact.
- At the bottom, Amanda presses the "Submit" button. She is presented with the page for the artefact she has created.

Intended Result:

- The new artefact is now stored in the system, with all the information Amanda inputted, including any photos, fields filled and relationships with people and events specified.
- The new artefact is available in the gallery after completion so that she knows the operation was successfully performed.

A2 - Editing an Artefact:

Actors:

- User Liam
- System

Description:

- Previously, while sorting through his old possessions, Liam had found an old vase that he recognised as important, but did not know the details of. During a Christmas dinner with his uncle, he learned more about the significance of this vase. Liam wants to update the entry in the database with this new information.

Setup:

- Liam is on the page for the artefact he wants to update the information for.

Actions:

- Liam presses the "edit artefact" button. A form, like the one that appears when creating an artefact, appears.
- Liam types information into some of the fields.
- Liam presses the "Submit" button.
- He is returned to the updated artefact page, where he can see that the changes he made are now in effect.

Intended Result:

- The updated version of the artefact is now stored in the system.
- The updated artefact page is clearly displayed to Liam after completion so he is assured the operation was successfully performed.

A3 - Delete Artefact

Actors:

- User Liam
- System

Description:

- Liam accidentally submitted an artefact while demonstrating the system to Amanda. He wants to remove the artefact from the system, as it is not a real artefact.

Setup:

- Liam is on the artefact page for the artefact he'd like to delete.

Actions:

- Liam presses the "Delete" button. A confirmation notice appears.

- Liam presses the “Confirm” button. He is returned to the artefact gallery, where the artefact he deleted cannot be found anymore.

Intended Result:

- The artefact has been deleted from the database.

Core Feature 2 - Artefact Browser

B1 - Amanda searches for the photo

Actors:

- User Amanda
- System

Description:

- Amanda's father has given her a box of old possessions to look after. One item in particular that interests her is a photo that includes her mother, Sarah, as a teenager and some people who seem to be her friends at her high school graduation. She feels she might recognise the people in the image, but isn't sure. Amanda wants to try to find this photo in the system and learn who was in it.

Setup:

- Amanda has a photo and wants to browse artefacts to find one which looks like that photo.

Actions:

- Amanda opens the system and navigates to the artefact gallery.
- Amanda scrolls through the artefacts until she sees an image that matches the photo.
- Amanda selects the artefact in question and is presented with the information page for the artefact.
- Amanda confirms that the image matches, and scrolls down to read the description.
- Amanda scrolls down to see the list of people related to the image. She sees a name she doesn't recognise, and clicks on it. She is presented with the information page about that person.
- Once she has finished looking at that person's information, she presses the "back" button to be returned to the artefact's information page.

Intended Result:

- No side effects.
- Amanda was able to browse through the artefacts in a visual way, and identify which artefact she was looking for by matching the image with the real item.
- Amanda was able to see who was related to the artefact, and from the artefact's page, move directly to a specific person's page and back.

B2 - Learning About People

Actors:

- User Amanda
- System

Description:

- Amanda has a damaged vase that is registered in the system, but she doesn't clearly understand the significance of it. She knows from the artefact description that it is a valuable handcrafted item. Amanda would like to know at least a little about the people it is related to.

Setup:

- Amanda is on the artefact page for the vase.
- Liam has already created all the relevant information about the artefact, including who it is related to.

Actions:

- Amanda scrolls down to the "related people" section of the artefact page.
- Amanda sees an entry for a single person - "Melanie Gilbert". The entry says that Melanie created the item for her children.
- Amanda taps on the entry. She is shown the page for Melanie.
- Amanda reads the page. A simple description explains that Melanie was a renowned craftswoman in her time. She belongs to the family.
- Amanda sees that Melanie is only related to the one artefact - the vase.
- Satisfied, Amanda presses the "back" button to return to the artefact page.

Intended Result:

- Amanda was able to see a description of the relationship that an individual has to the artefact on the artefact page.
- Amanda was able to see a basic description of the person she was interested in, and the artefacts they are related to.

B3 - Learning About Events

Actors:

- User Amanda
- System

Description:

- Amanda is exploring artefacts and has found that a number of her grandfather's artefacts were received as marriage presents. Although she knows that at least two were received then, she would like to know how many were received for that event.

Setup:

- Amanda is on the artefact page for one of the artefacts.
- Liam has already created all the relevant information for this situation, including the event and all artefacts related to it.

Actions:

- Amanda scrolls down to the “related events” section of the artefact page. She sees a description of how the artefact is related to the event - it was given as a gift to commemorate a marriage.
- Amanda taps on the entry. She is shown the event page for the wedding.
- Amanda scrolls down to see which artefacts are related to that event. She sees the description for how each item is related to the event.
- Amanda taps on one artefact. She is shown the artefact page.

Intended Result:

- No side effects.
- Amanda was able to see a description of the relationship an artefact has to an event on the artefact page and the event page.
- Amanda was able to see which artefacts were related to a particular event from that event’s page.
- Amanda was able to move to the event page by link from an artefact page, and vice versa.

Core Feature 3 - Artefact Addendums

C1 - Creating an Addendum

Actors:

- User Amanda
- System

Description:

- Amanda was moving items around in her attic when she accidentally knocked her father's old vase and broke off the handle. She wants to update the entry for that artefact with information about what happened to it, and a new picture of it.
- This use case covers adding an addendum to an artefact, with a picture.

Setup:

- Amanda is on the page for the artefact she wants to add an addendum to. She has the artefact ready to take a photo of.

Actions:

- Amanda scrolls to the bottom of the artefact page and presses the "add addendum" button. This opens a form for creating a new addendum.
- If Amanda want to add a picture of the updated artefact: see **Add Image**. An image that is successfully added to an addendum will appear with the addendum on the artefact page.
- Amanda types the body of the addendum. She describes any changes the artefact has undergone and contextualises the image.
- Amanda presses the "submit" button for the addendum. She is returned to the artefact's page, where the new addendum is visible below the description. The new image is displayed with the content of the addendum.

Intended Result:

- The new addendum is now stored in the system, with all the information Amanda inputted, including any photos.
- The new addendum is visible on the artefact page, so Amanda is assured the operation was successfully performed.

C2 - Editing an Addendum

Actors:

- User Amanda
- System

Description:

- Amanda noticed that an addendum she created for a vase she had previously damaged has an error in the text. She would like to amend the error.

Setup:

- Amanda is on the artefact page for the vase.
- Amanda has created an addendum for the vase.

Actions:

- Amanda scrolls down to see the addendum, and clicks the 'edit addendum' button. A form, like the one that appears when creating an addendum, appears.
- Amanda makes changes to the addendum.
- Amanda presses the "save changes" button. The changes are saved and Amanda is returned to the artefact page, where she can see the updated addendum.

Intended Result:

- The updated version of the addendum is now stored in the system.
- The updated artefact page is clearly displayed to Amanda after completion so she is assured the operation was successfully performed.

C3 - Delete an Addendum

Actors:

- User Liam
- System

Description:

- Liam accidentally submitted an addendum to the wrong artefact. He would like to delete this addendum.

Setup:

- Liam is on the artefact page with the addendum he'd like to delete.

Actions:

- Liam presses the "Delete" button. A confirmation notice appears.
- Liam presses the "Confirm" button. He is still on the artefact page, and the addendum he deleted cannot be found anymore.

Intended Result:

- The addendum has been deleted from the database.

Core Feature 4 - Security

D1 - Log in

Description:

- Liam would like to log into the system so that he can use it.

Setup:

- Liam is on the homepage, and not logged in.

Actions:

- Liam navigates to the login page.
- Liam enters his details into the form.
- Liam presses the "Login" button.
 - If he entered his details correctly, he will be redirected to the homepage, and be logged in.
 - If he entered his details incorrectly, the form will say "Login failed"

Intended Results:

- Liam is logged into the system
- Liam is redirected to the homepage
- Liam's browser will remember that he is logged in, so that he doesn't have to manually log in again every time he uses the system.

D2 - Logout

Description:

- Liam has been using the system on a public computer, and would like to logout so that other users of the public computer won't be able to access his information.

Setup:

- Liam is logged in.

Actions:

- Liam presses the logout button. He is logged out.

Intended Results:

- Liam is logged out.
- The browser will not remember him anymore.

D3 - Sign up

Description:

- Liam would like to create a new account for Amanda, as she has become interested in using the system.

Setup:

- Liam is logged into his account.

Actions:

- Liam navigates to the “sign up” page.
- Liam enters Amanda’s details into the form, including a password.
- Liam presses the “submit” button. Liam is redirected to the homepage, and logged in with Amanda’s new account.

Intended Results:

- Liam is logged out of his account.
- Amanda is now logged in, with the same intended results as if she had logged in (See **D1**).

Supplementary Features

S1 - Add Image

Actors:

- User
- System

Actions:

- User taps the "add image" button to open a platform-specific feature for adding images.
- As an example, on android, to add images, User can:
 1. Take a photo
 - User taps the "take photo" button and the camera opens up.
 - When they take the photo, it is shown in the "add image" section.
 2. Upload photos from storage
 - User taps the "upload photo" button and the file upload menu opens up.
 - User selects a photo to upload. It is then shown in the "add image" section.
- The User can press the delete button to remove the image and add another if they are not satisfied with their image.
- At any point, User can cancel.

Intended Result:

- The image is temporarily stored in whatever situation the images was needed for. It may then be saved when, for example, the artefact submission is finalised.
- The photos or some confirmed is displayed after completion so that the User feels assured that the operation was successful.

S2 - Add Person or Event

Note: generalised for people and events as the use cases are nearly identical.

Actors:

- User
- System

Setup:

- User is on the "select" screen for people or events, for example when selecting people related to an artefact.

Actions:

- User presses the "create person" or "create event" button. A form for inputting the details of the new event or person appears.
- The User types information into the remaining fields.
- At the bottom, the User presses the "finish" button.
- At any point, the User may press the "cancel" button and return to the "select" screen.

Intended Result:

- The new item (event or person) is created and stored by the system, so that it can be selected, for example, to be related to an artefact.