

 	MOBDEVE Machine Project
	BSMSCS <sup>1</sup> , BSCS-ST <sup>2</sup>
	Artemis
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**Features highlighted in pink were marked as optional by Ms. Candy Joyce H. Espulgar.**

### Description

**Artemis** is an art-sharing platform where the community can share and provide feedback on members' works. While unregistered users are limited to viewing posted artworks and searching for posts and users, they can opt to register to maximize the features of the app. Registered users can log in to be able to post their artwork (either publicly or **privately, as part of their personal collection**) and showcase some of their selected pieces in their profile using the Highlights feature of Artemis. Moreover, they can provide their feedback on other artworks posted in the community by giving an upvote or leaving a comment. They also have the option to bookmark their favorite artworks made by other users so that they can view or return to them at a later time. Additionally, they can share posts on their Facebook accounts through its application programming interface (API). Users can search for a post by means of tags (e.g., "3D," "watercolor," and "pixel art") and follow other users to see their posts on a dedicated section in their feed. **Artemis also features weekly art challenges to encourage participation among its community members.**

### Services / APIs

#### Web Server (Firebase)

- Store and verify the credentials of the users, including but not limited to their email addresses, usernames, passwords, optional profile pictures, and optional short descriptions
- Store additional details of the users, including but not limited to the artworks they posted, the artworks they bookmarked, their Highlights (featured artworks), and the users that they follow
- Store the artworks posted by the users, including but not limited to pertinent details such as the date of posting, number of upvotes, and comments

#### Facebook API

- Obtain write access to the users' Facebook accounts
- Allow users to share on their Facebook accounts the artworks that they posted on Artemis, as well as those publicly posted by other users

#### Camera Usage

- Allow users to directly take a photo of the artwork for posting (i.e., launch the camera from the app itself instead of uploading a picture from the Gallery)

### Functions

Function	Description
<b>Account-Related</b>	
Register	The user must register an account in order to completely use all of the app's features. Users are required to give their username, email, password, optional profile picture, and optional short description.
Login	A registered user can log in to their account. To log in, the user enters their username and password.
Follow	A registered user can follow another user; this allows them to see the followed user's posts in a dedicated section of the app.

Unfollow	A registered user can unfollow a user they have been following.
Receive Follower Notification	A registered user can receive a notification if another user follows them.
View Account Details	A registered user can view their username, email, description, profile picture, and posts.
Edit Account Details	A registered user can edit their password, email, description, and profile picture.
Delete Account	A registered user can delete their account. This removes their account details, posts, and comments from the database.
View Profile	Aside from their own profile (as explained in View Account Details), a user can also view the profiles of other registered users.
View Highlights	A user can view their own Highlights, as well as the Highlights of other registered users. Highlights refers to a section in their profile where they can showcase selected featured artworks.
Add to Highlights	A registered user can add a post to their Highlights.
Remove from Highlights	A registered user can remove a post they have previously added to their Highlights.
<b>Feed-Related</b>	
View All Posts	Any user can view posts made by registered users. In the feed, the user can view the post image, post details, and the number of upvotes of the post.
View Followed Users' Posts	A registered user can view posts from the users they follow.
Weekly Art Challenge	A user can view the weekly art challenge created by the app to motivate participation among the community. Users are encouraged to add a specific post tag to indicate that their post is intended for the weekly challenge.
Search	A user can search for posts by their tags. Additionally, any user can search for registered users by their usernames as well.
<b>Post-Related</b>	
Post	A registered user can post their artwork, either by uploading a picture from the gallery or taking a photo of it (i.e., by launching the camera from the app itself). A post must include an image and post tags and can also include the following optional details: title, description, medium, dimensions, and brief caption. The user can also set the visibility of their post to either "Public" or "Private."
Make a Post Public	A registered user can change the visibility of a post from "Private" to "Public." This enables other users to see and interact with their post.
Make a Post Private	A registered user can change the visibility of a post from "Public" to "Private." This disables other users from seeing and interacting with their post. Any upvotes and comments made on the post before it was set to "Private" are retained.
View Post	Upon clicking a post, any user can view an enlarged version of the image, the date it was posted, and the comments on the post.

Edit Post	A registered user can edit their own posts' tags and the following optional details: title, description, medium, dimensions, and brief caption.
Delete Post	A registered user can delete a post they have made.
Comment	A registered user can comment on a post made by another user.
View Comment	A user can view their own comments, as well as the comments made by other users on a post.
Edit Comment	A registered user can edit a comment they have made on a post.
Delete Comment	A registered user can delete a comment they have made on a post.
Upvote	A registered user can upvote in order to express their appreciation for certain artworks.
Remove Upvote	A registered user can remove an upvote they have given.
Share	A user can share on their Facebook account the artworks that they posted on Artemis, as well as those publicly posted by other users.
Bookmark	A registered user can bookmark an artwork so that they can return to it at a later time.
View Bookmarked Artworks	A registered user can view all of their bookmarked artworks.
Remove Bookmark	A registered user can remove an artwork from their bookmarked artworks.