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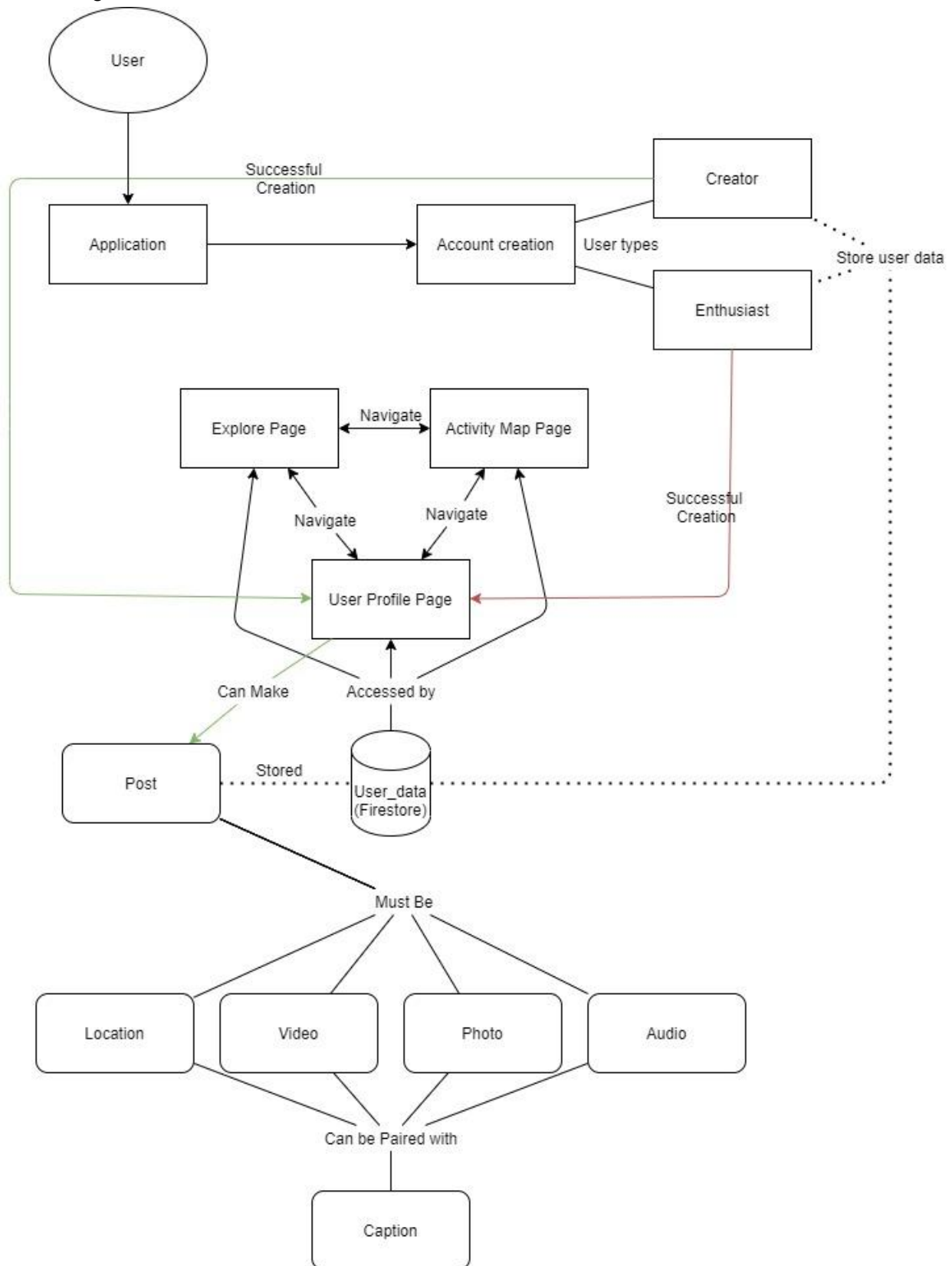
Capstone Proposal

1. Summary/Block Diagram
   Summary:

   I hope to build a social application that connects creators of any type(music, crafts, art, etc.) to enthusiasts in the local community by allowing them to present their work both from their homepage on the app as well as a physical location they plan on showing their work to enthusiasts near them. Creators can simply post a location that will be made visible on an "Activity Map." From this map anyone in town can find these creators without needing any knowledge of either the creator or the area that they live in and connect with them in person. Finding live music near you at any time is now made simple as creators can post their performances on an activity map showing you who they are and where they will be performing, as well as what time. This leaves the enthusiast free to explore the music scene that is present in their local community. Adding personality to your home with handmade arts and crafts is now made more convenient as enthusiasts can simply look on the app at local users' homepage galleries to find something they want. All the enthusiast needs to do is find something they like and message the creator directly. Any artist or craftsmen with work they want to show the public can have their own showcase wherever they want by posting a location and time on the activity map. This leaves enthusiasts to easily find said artist or craftsman and meet them in person as well as buy the creators work.

Block Diagram:

2. All Goals:
- 2 user types: enthusiast and creator
    - Enthusiast
        - User who is looking for artists or vendors near them, they CANNOT make posts

    - Creator
        - User who is making something that other people may want to see or buy, they CAN make posts

    - On creation of an account, both users (Enthusiast and Creator) will provide a location. This location will be used to organize all posts for user by proximity to this location AND THEN time if there are proximity conflicts.
- On creation of an account
    - Individual user data is stored in cloud storage(Firestore)
    - Posts will be stored
    - followers/follows will be stored

- Creators can make posts that appear on a public explore page of posts
    - Posts will include a caption section
    - Posts can have audio, video, photo, or location(for activity map pins)

- Creator can make a post that is a location, this location will show up on activity map
    - Location will be visible on map as long as a given time constraint by user

- Enthusiasts and creators can follow other enthusiasts, as well as creators
    - All content on the page of the user you follow will appear on your timeline

- Posts will be organized by proximity(a location provided at account creation)
    - Posts will be organized by proximity and then time on their homepage as well as the explore page

- Locations posted by creators will be made visible on activity map
    - Pins will allow users to click on it for either directions or navigation to that creators homepage

- Users will be able to message each other

3. What to demonstrate and deliver
- REQUIREMENTS
  - User creation
  - Posts organized by proximity then time
  - Location posts show on map
    - Can get directions from location posts on map
  - Posts are images/photos/locations/captions
  - Account to account Messaging
  - User can follow/be followed
- I would like to demonstrate and deliver
  i. User creation/authentication, both Enthusiast and Creator
  ii. Ability to make posts
  iii. Ability to message other accounts
  iv. Ability to post location and present location on activity map
  v. The ability to provide user with directions to pin that is created on activity map
  vi. The ability to follow other users and have that followed users posts appear on your homepage
  vii. Functional explore page that includes all posts by users on a list that is organized by the current users proximity to other users who made the posts.
4. Value proposition:
- Who will use
  - Independent musicians, craftsmen, and art vendors as well as any enthusiasts of the like who would like to pay for or view these creators' work.
- What will it do for them
  - Connect independent creators of any form to enthusiasts in their local area in order to kickstart recognition of their work as well as allow them to manage and establish communication with their fanbase online and in person.
- What will it benefit them compared to other existing alternatives?
  - This app makes exposing your of a musical performance in their nearby area easy by allowing creators to pin the location they plan on being present to a map that is open to any users on the app. This allows fans looking for live music or handmade art crafts to easily find musicians and artists working near them without needing any knowledge of them or the local area they preside in.

ADOBE XD for mockup