Capstone Project: Constraints and Requirements

Constraints:

1. Ability to transfer files out of the system
2. Having multiple language support

Requirements:

1. To have a functioning cloud to save all profiles: Have the ability to store data without having active management by the user.
2. User authentication for privacy and security: Have a login for each client which requires a username and password.
3. Allow staff and family to create and upload files and notes to the database: Each family will be given a username and password for their client. The staff and family will be able to upload their own files like photos, videos, life events, voice recordings, etc. They will then use the files and show it to their family member that has dementia.
4. The patient’s profiles will automatically be deleted after 60 days: Every time a profile is created, we will keep the files in our cloud for 60 days. However, after the 60 days, the files will be deleted from our cloud. This is so our database does not get congested. Also, the patients will only stay in the hospital for that period of time, so it is convenient to delete they’re profiles when they are not needed.
5. Staff users will have a presentation mode: The staff will have a mode to show the media to their patients.
6. Will have default media: Will contain default pictures, images, recordings, that would show reminiscence to all individuals with dementia.

SCENARIOS

1. Family and staff want to upload pictures of their patient’s workplace. They are able to do so at their home and know that it will be saved in a cloud database. Only family and staff are able to upload images to the cloud due to security reasons.
2. Staff wants to create a profile for their patients with dementia. They want a specific profile with reminiscence data which will help their patient remember and enjoy old memories of their private life. The staff would want the profile to only be accessible to the patient and their family members
3. Staff wants to upload images that they received from their patient’s family members. They will want to get family member’s permission on what images/videos are allowed to be uploaded.
4. A patient is about to leave the hospital after finishing their treatment process. Their profile will be deleted from the database. Profiles are also deleted automatically after 60 days.
5. A staff member wants to display the reminiscence media from the patient’s profile and present it to them and have them recall which memory it is.
6. Staff are not receiving enough images/videos from family members due privacy reasons. They want still want to create a profile for their patient and want them to still be able to share old memories and recall stories from the past that they would enjoy. Due to not getting enough resources, staff will need to upload the default images that are already in the database. However, they would only want to upload ones that the patient has a connection with. This information can be found by asking the patient or their family members beforehand.