PA1 report
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User management
Register: By going to the **profile** and clicking on **make an account**, people can create a new account by providing their full name, email, password, and date of birth, however, gender and hometown are optional.
Constraints: Cannot use the same email to register and need to provide complete information for full name, email, password, and date of birth.

Friends: By clicking on *Manage Friends,* users are able to **add** new friends, **list** user's friends, **search** new friends, and **view** their friend recommendations.

User activity: By clicking on the **Top 10 users**, users and visitors can see the top 10 active users in our database. We don't count the activity of visitors.

Album and Photo Management
Photo and album browsing: Clicking on the **Album**, both users and visitors can **list** all the albums and **view** all the photos belong to any album.

Photo and album creating: Clicking on the **Album,** users can **create** album and **upload** photo to their albums. And they can also **delete** their own photos and albums.
Constraints: user can only upload photo to their own album and they can only delete their own photo and albums.

Tag Management
View photo by tag name: By clicking on **Tags**, users can view all photo and their own photo with specific tag.

View the most popular tag: By clicking on **popular tags**, users can see the three most frequently used tags and with the number of each tag being used.

Photo search: By clicking on **Tags - search photo by tags**, users can search all photo or their own photo by input one or more tags.

Comments and like
Comments: Both users and visitors can **leave comments** on photo.
Constraints: Users cannot leave comments on their own photo.

Like: A user can **like** a photo. And the like information will be shown for each photo.

Search on comments: By using **search comment**, user can specify a text query and our system will return a descending order of user who have made the exactly comments.

Recommendation
Friend recommendation: By clicking on **Manage Friends - Friend Recommendation - Submit**, users can get the recommendation offered by the system based on the common friends of user's friends in a descending order.

You may also like: By clicking on **You may also like…,** users can view all the photos belong to other users recommended by the system based on the tag.