

E-Closet Milestone 2: Initial Prototype

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Partial functionality:

1. UI and layout for all iPhones in portrait and landscape.
2. Add UIToolbar for all control buttons, currently the picture switch button (previous/next) and taking picture button works.
3. Call camera to take picture and display in the app's picture viewer, currently does not support picture storage.
4. App icon and launch Screen.

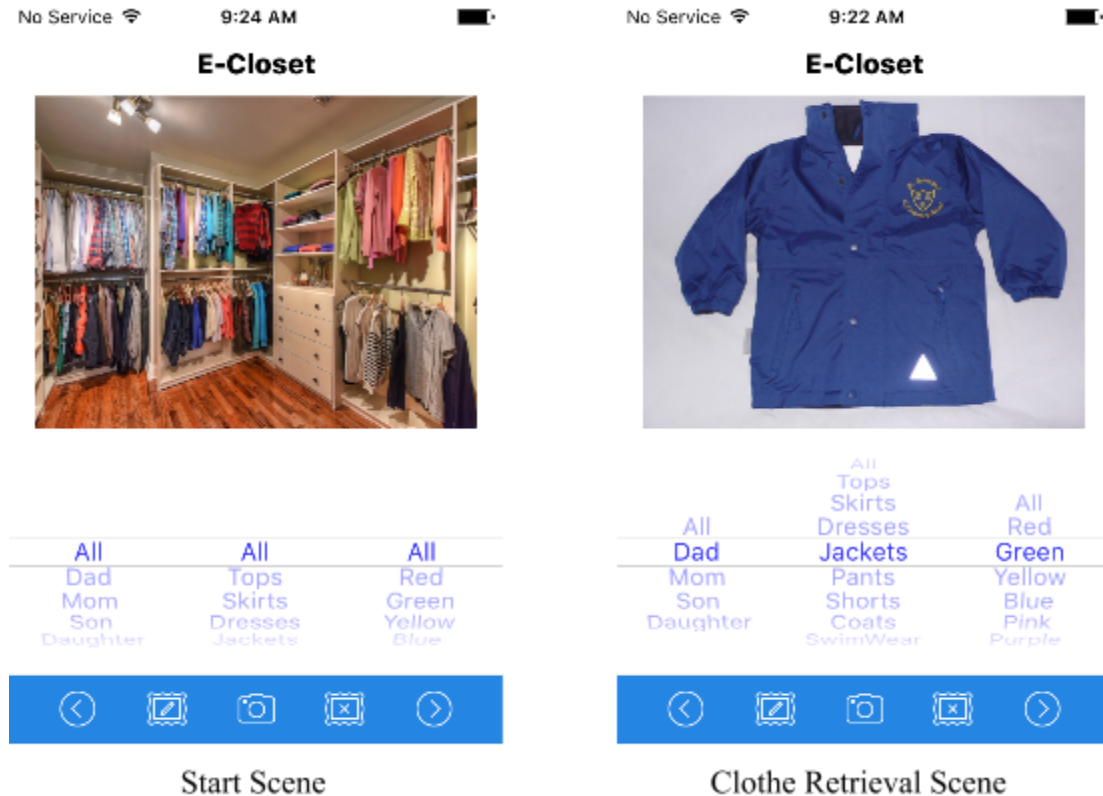


Fig.1 E-Closet Flowchart

User flow (Fig.1):

1. This App helps users manage their clothes, in case users can not remember what kind of clothes they have.
2. Users need build their database by taking pictures of their clothes and saving them in the database, and they also need add several tags for the pictures for future retrieval.
3. When users have a database, they can retrieve the data with tags they added on the picture. These tags can combine together to locate more accurately.
4. Users can edit the tags of a selected picture, and they can also delete picture.

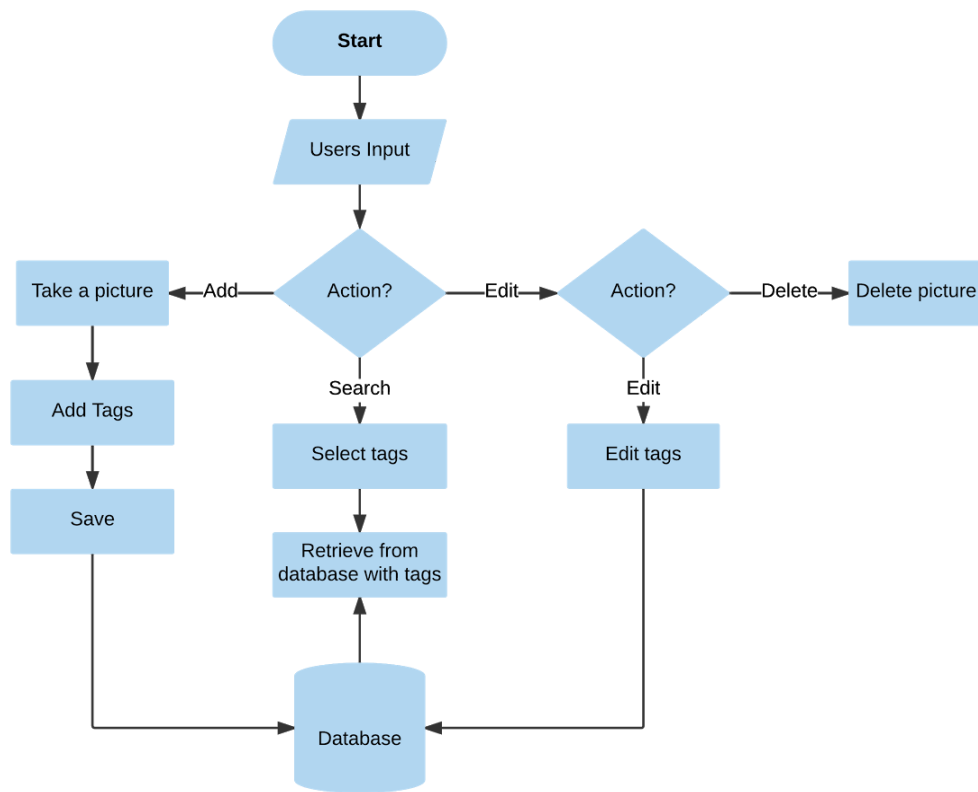


Fig.2 E-Closet Flowchart

Pseudocode:

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Input: User action
Switch Input
  Case retrieval:
    If (tag1)
      Display pictures with tag1
    else if (tag1 && tag2)
      Display picture with tag1 and tag2
    else if (tag1 && tag2 && tag3)
      Display picture with tag1, tag2 and tag3
  Case add:
    Take a picture of cloth
    Add tags for the picture
    Save to database
  Case edit:
    Find the picture by retrieval
    Edit its tags
    Save to database
  Case delete:
    Find the picture by retrieval
    Delete the picture and its tag from database
  Default:
    Display start scene
  
```