AI Flower Workshop - DOF

# General:

* Event Date: 27/8/2025
* Event Location: Abu Dhabi
* Client: DOF
* Project Management Team: Suhaib
* Operations Team: Shadab
* Design Team: Atthah
* Unity Team: Atthah
* Web Team: Waseem

# Hardware:

* 4x Android Tablet:
  + Resolution: 2960x1848
  + Size: 13”
* 1x PC
* 1x NFC Scanner

# Risks:

* Waiting on client for pictures of the flowers to generate the AI images from
* Waiting on clients for list of questions
* Waiting on client to provide how the questions lead to which flower

# Web/API Requirements:

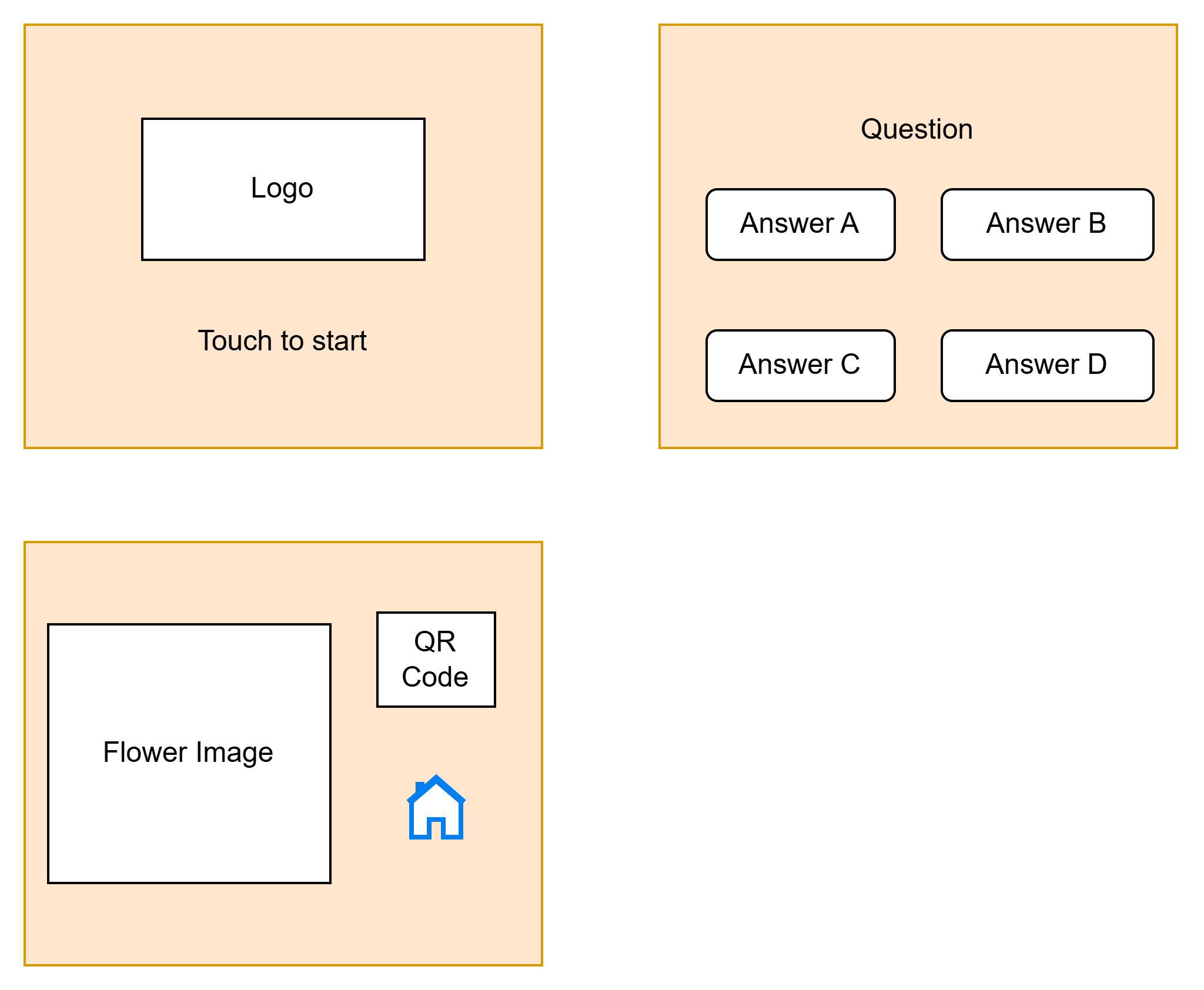
Register API:

* + Description: registers the user has interacted with activation
  + Input:
    - NFC Card ID
  + Output:
    - Bool - success or fail

# User flow (2 apps):

* **Separate NFC Reader app:**
  + User will come, tap their NFC card, API is called to register the user
* **Idle page (tablet app):**
  + Logo
  + Touch to start
* **Questionnaire page:**
  + 3 multiple choice questions, asked one after the other in this following format:
    - Question:
      * Answer A
      * Answer B
      * Answer C
      * Answer D
* **Final Result Page:**
  + Based on answer, show a pre-defined AI generated flower image (no generation, the images are fixed)
  + Show a QR code to download the photo (upload the photos to a platform where you can get a link for direct download and turn the link into a QR code)
  + Home button

# Storyboard:



# Assets List:

**Web Api End Points**

Api Login and Getting Bearer Access Token:

1. **to log in and get the bearer token API URL, parameters, and values are**

**URL**: <http://3.20.14.226/api/dof/public/api/auth/login>

email: unity@rayqube.com

password: asd123

Response JSON example :

{

"access\_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImp0aSI6IjE1OGQ5YzdjOWVkMzk1NzJlNmY2MTVkY2QwZDlk"token\_type": "Bearer",

"expires\_at": "2026-08-25 11:34:11"

}

*Please note that this bearer token will not expire during the whole cycle of this activation*. For other activations, you have to generate new ones by logging in using the above method

Register Activation using NFC ID

Step 1- Check NFC Validity

**Url :** http://3.20.14.226/api/dof/public/api/auth/user/check-nfc

**Method**: Post

**Body Parameters:**

**nfc\_id**

**Headers :**

**Accept: application/json**

**Authorization: Bearer [Your token will come here]**

**Content-Type: multipart/form-data**

**Response format:**

1. **Success**

**{**

**"message": "SUCCESS"**

**}**

1. **Error:**

**{**

**"message": "ERROR",**

**"errors": {**

**"nfc\_id": [**

**"The NFC ID is invalid or not registered."**

**]**

**}**

**}**

Step 2 - Register User for Activation

After getting success from the first step (Step 1- Check NFC Validity ), please call this API

**Url:** http://3.20.14.226/api/dof/public/api/auth/user/register-activation

**Method**: Post

**Body Parameters:**

**nfc\_id**

**activation\_key**

**The activation\_key for this Activation will be: ai\_flower\_workshop**

**Headers :**

**Accept: application/json**

**Authorization: Bearer [Your token will come here]**

**Content-Type: multipart/form-data**

**Response format:**

1. **Success**

**{**

**"message": "SUCCESS"**

**}**