Quality Assurance: Anpr App Manual Testing

Purpose

The purpose of this assignment is to gain insight about your knowledge/skills in manual testing, as well as in test-planning under time & resource constraints.

Timeline

Assignment time-limit: 3 hours

You're not expected to demonstrate complete knowledge of QA best practices in this very limited assignment.

Overview

You are provided with a web app inside a docker image, you need to start that app and test it certain pages.

Tasks:

- Run application docker image
- Test `Login` page, `Report -> report` and `Settings -> User` tabs only, see [images section below](#).

Note: You are **NOT** expected to report all kind of cases. You need to *find the failure cases first* and include them in the report, then if you want to you can add other cases.

Deliverables:

- Test cases excel Report. (Download the [Template here](#) and fill it)

Instructions

1. Familiarize yourself with basics of docker and Run the docker image on your system

    - pull docker image `pawanyadavi2v/qa-test:newdb` using `docker pull`

    - run a container using this image (using `docker run`), forward port `4777`: `docker run -it -p 4777:4777 --name qa pawanyadavi2v/qa-test:newdb bash`

    - start the 2 required (`i2vpgsql` and `i2v-analytic-webapp`) services inside the container using `service service-name start`

  - `i2vpgsql` uses port `5432`, so you can verify it is running by checking that this port is occupied (hint: use `netstat` command)

  - `i2v-analytic-webapp` uses port `4777`, so you can verify it is running by checking that this port is occupied (hint: use `netstat` command)

  - *No need to include any info for this step in your submission*

2. Manual-UI test the application

  - If you have completed step 1 successuly, you can now use the application
  - The application runs on port `4777`, open it in any browser (app dosen't use `https`)
    - default username: `admin` and password: `Admin@12345`
    - when you do this you should get the application login page if you have successfully run and forwaded port in docker
  - Test the `Login` page, `report` and `User` sections only in the Report and Settings tabs. (**Do not** test any other tab in `Settings` or `Report` tabs). see images section below
  - Validate major, top-priority functional features & subfeatures as well as accessibility, content/styling and performance on these pages only.
  - Include time estimate for each case.
  - Include expected result for each test step.

Included files as link
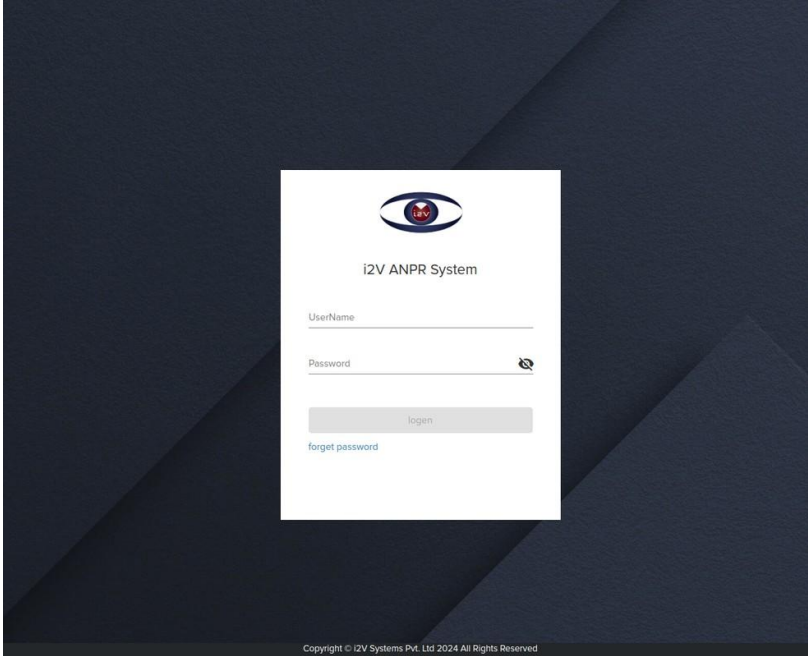
Test cases excel sheet template you need to download.
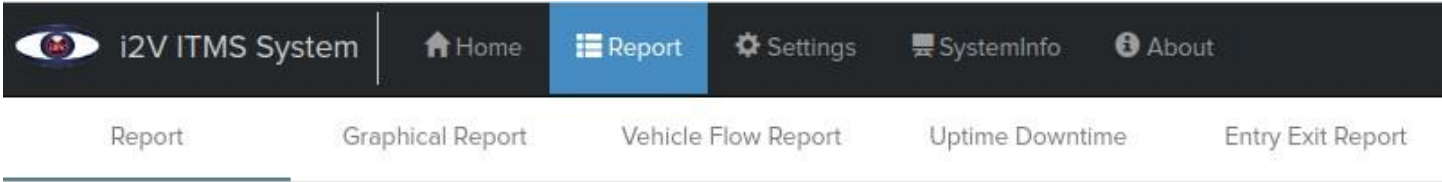
Form to fill for submitting results.

Submission

- Fill the linked submission form and attach your task results file in the submission form with other details.

Images

Login page:

Report tab:

User tab: