



**INSTITUTO POLITÉCNICO DE LISBOA**  
**INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA**

**PostChat**  
**”Bring Back Postcards”**

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**Report**

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# 1 Introduction

PostChat is an innovative Android app that aims to bring back the charm of post-cards and bridge the gap between the older and younger generations through the use of modern technology. The app serves as a platform that enables users to create, personalize, and send digital postcards to their loved ones.

## 2 Project Structure

The project is structured and maintained in GitHub: PostChat

Files in the repository are organized in folders with simple and identifiable names.

- ai/htr - Contains the htr component;
- backend - Contains the back-end component. The Web API;
- frontend - Contains the front-end component. The Android Application;
- docs - Contains the Documentation for the whole project;
- templates - Contains the postcard templates.

## 3 Requirements

- Java 17;
- Python 3.10.11;
- PostgreSQL 15.

## 4 Running the components

- HTR - Go to ai/htr/src and run `python main.py --source <png file path>`;
- Web API - A docker file is available to run the backend. Follow README instructions in the Github Page;
- Android App - An APK package file will be provided in the GitHub page.