Criteria B: Design

Design Overview

System Diagram

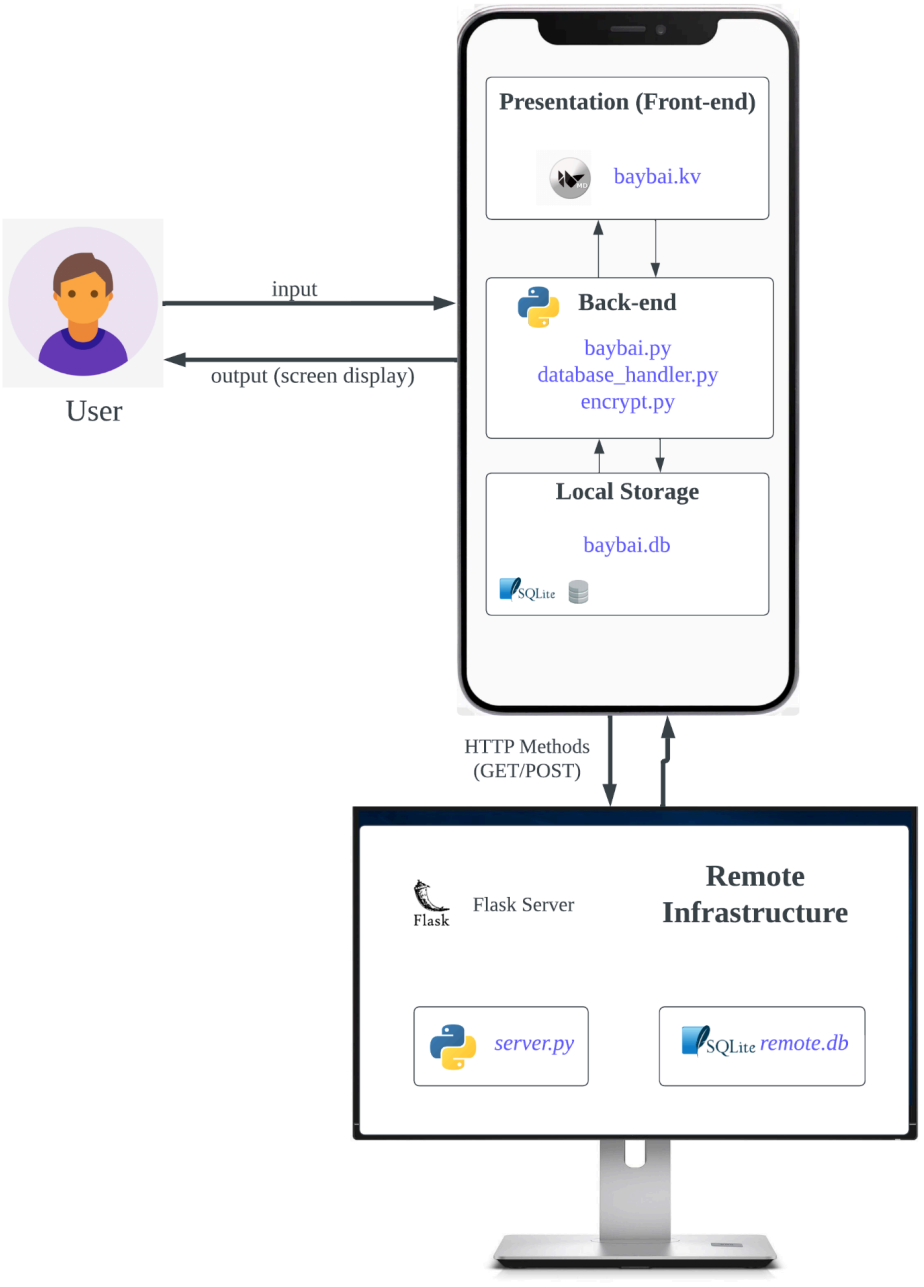

Fig. 1 System Diagram of the baybai mobile app

Wireframes

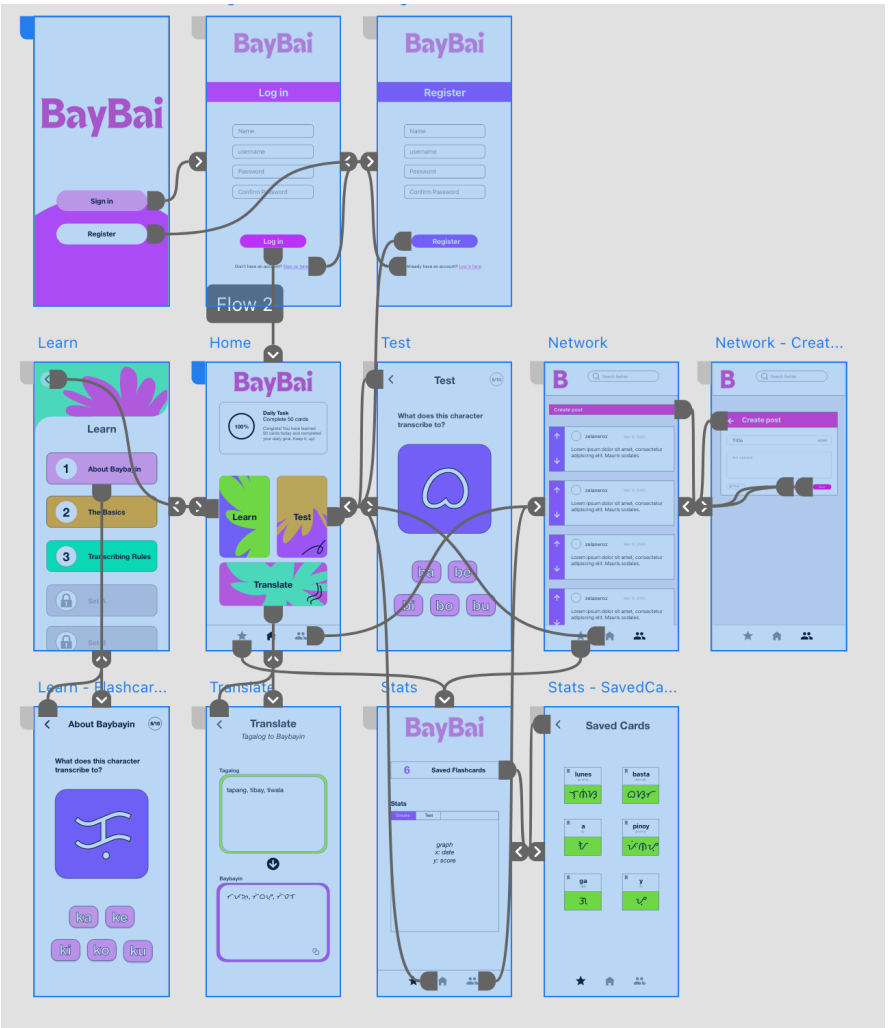

Fig. 2 Wireframe of the baybai app created on Adobe XD

UML Diagram

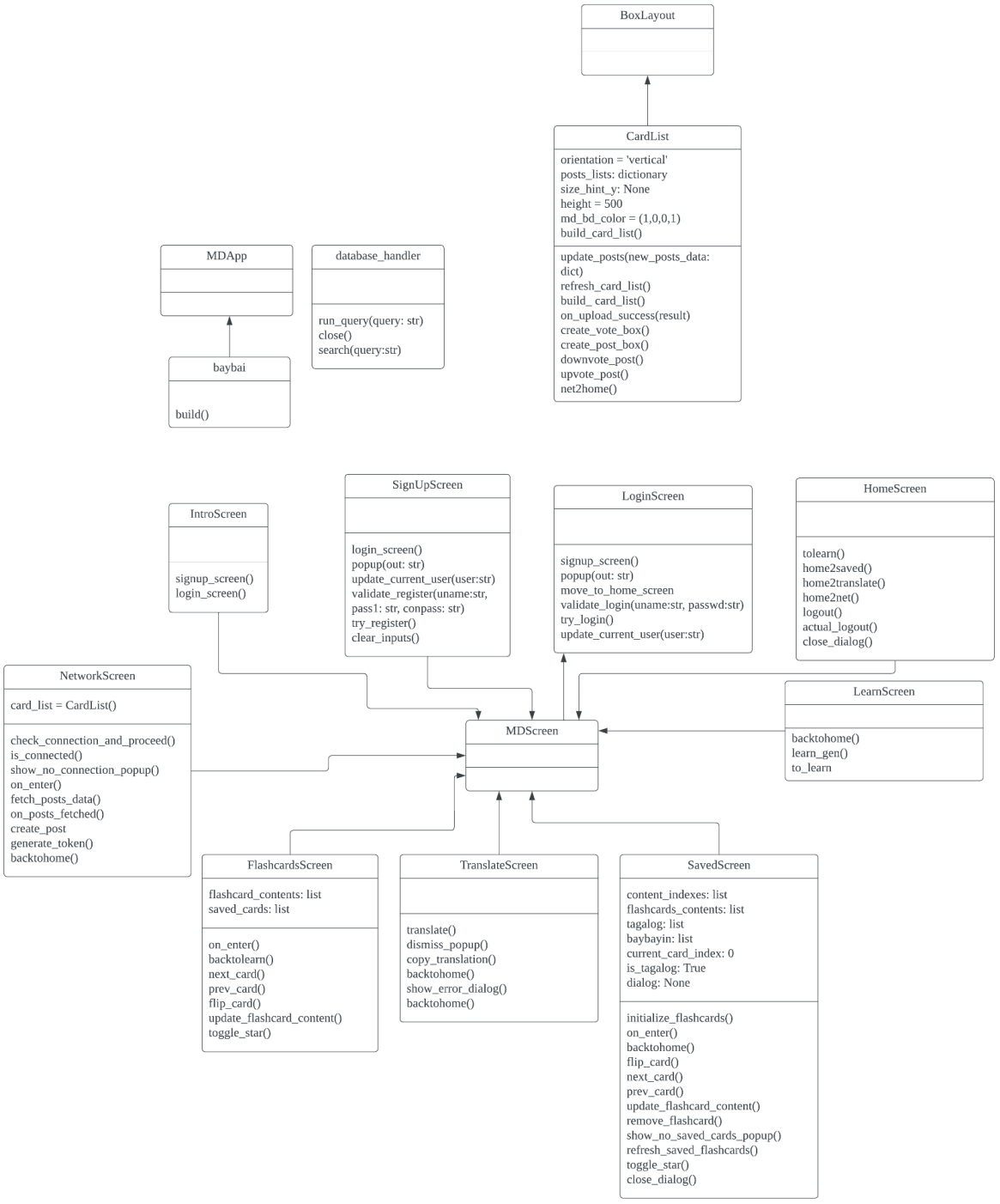

Fig. 3 This image shows the UML diagram for the Baybayin script learning app. Displayed here are the classes and methods used to develop the application. The diagram includes two main parent classes: MDApp and MDScreen. All subclasses inherit methods and attributes from these parent classes, as indicated by the arrows in the diagram.

ER Diagram

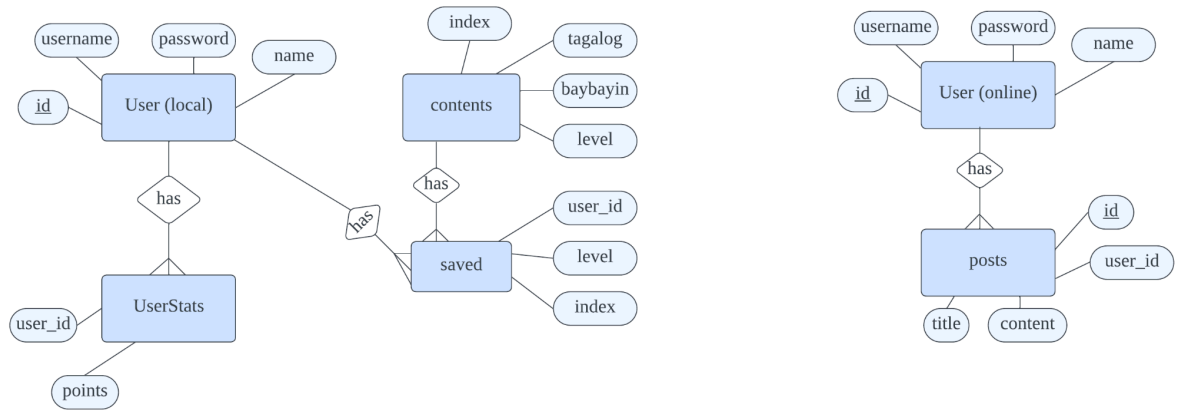

Fig.4 ER diagram of the Baybayin Script Learning App Database. This diagram depicts the database structure used to store the data for this application and how the relationships between tables link up the database.

	id	name	uname	password
1	3	zelan	eroz	$pbkdf2-sha256$30000$k3Lu3…
2	4	eroz2	eroz2	$pbkdf2-sha256$30000$z9lbS…
3	5	eroz57	eroz57	$pbkdf2-sha256$30000$0lpLS…
4	6	zelan2	zelan2	$pbkdf2-sha256$30000$ZYxRK…

Fig 5. Example of data entry in the user table

	id	title	content	timestamp	user_id
1	1	some-title	Lorem ipsum dolor sit.	Nov-28-2023	10
2	2	test2	amet, consectetur adipisicing elit, sed do eiusmod	Nov-29-2023	11
3	3	test3	user 10 again	Nov-29-2023	10

Fig 6. Example of data entry in the posts table

Flowcharts

Save Card (Success Criteria 4)

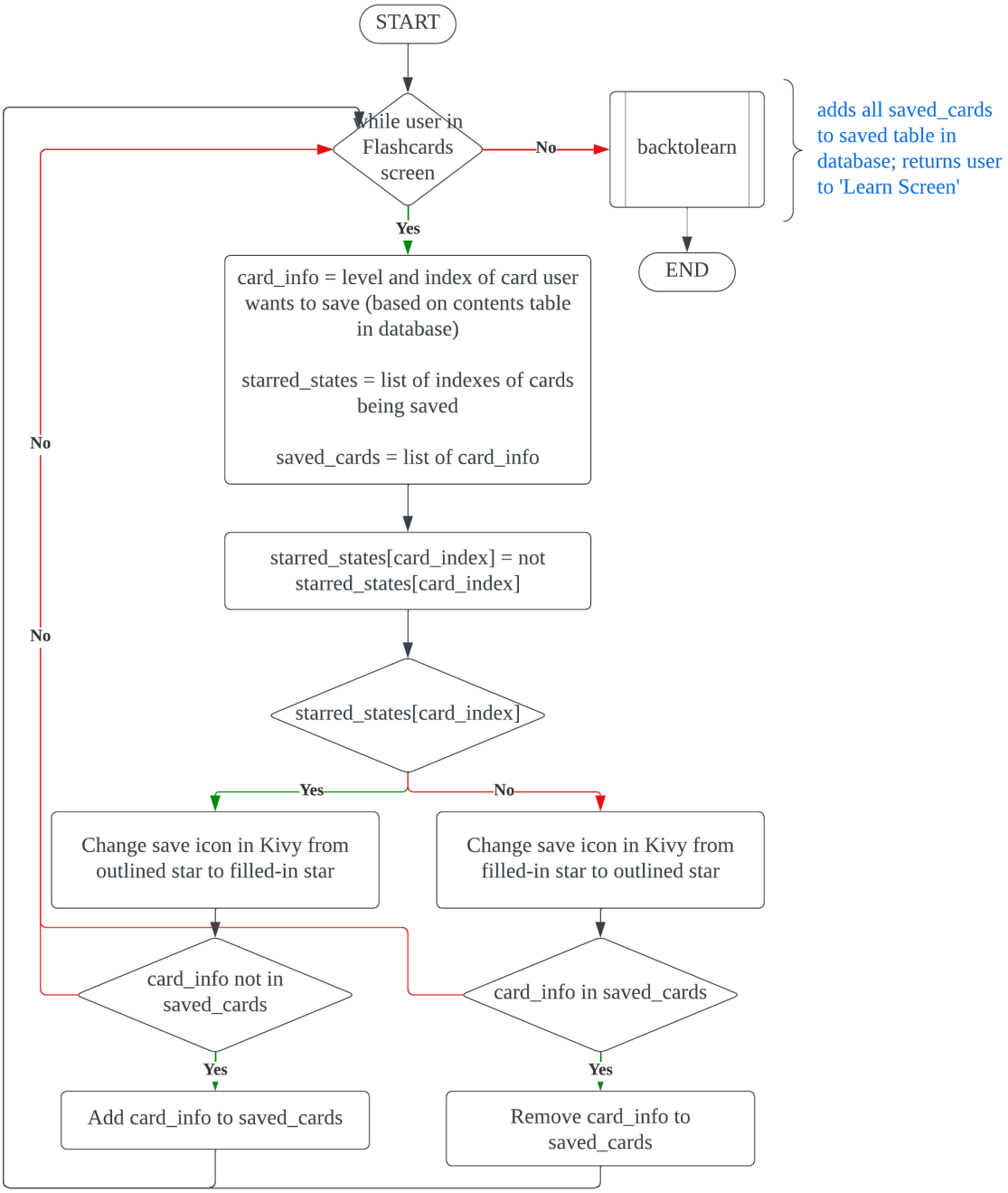

Fig 7. Flowchart of the save card functionality algorithm that allows user to review saved cards for later.

Transcription (SC #5)

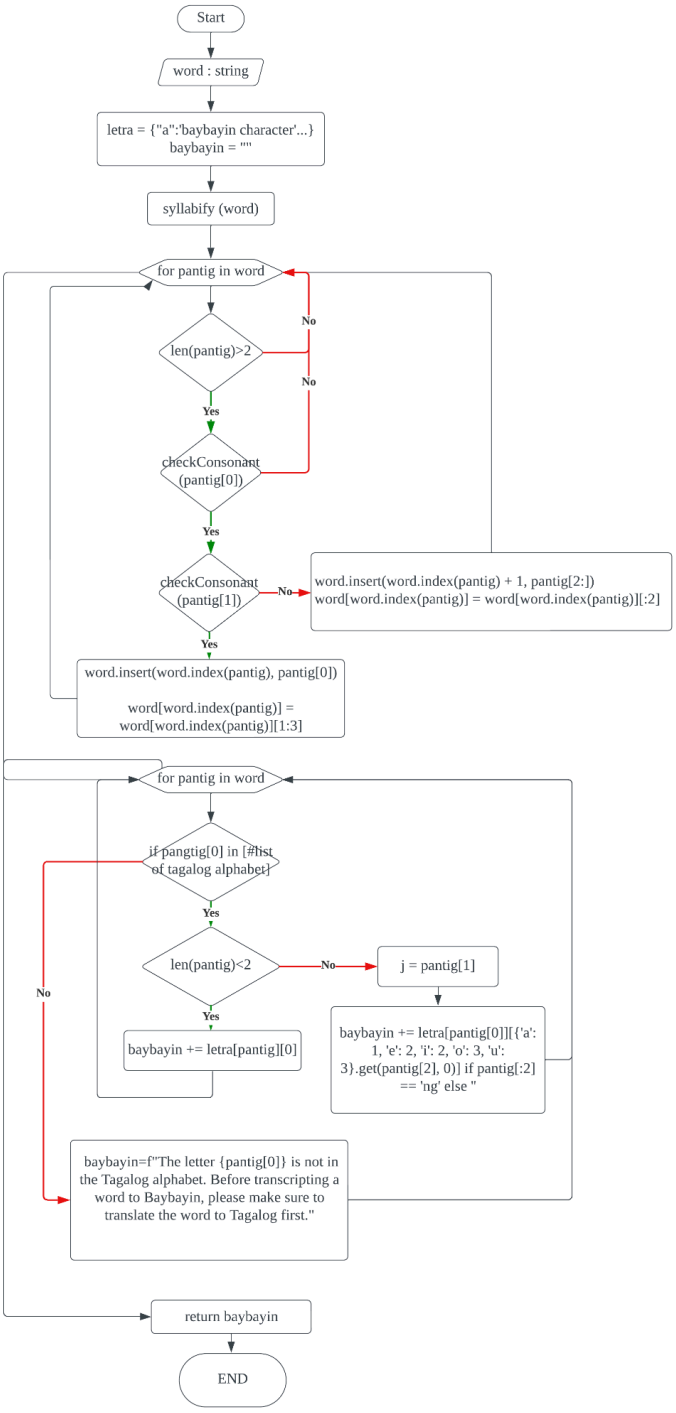

Fig 8. Flowchart of the baybai app translation algorithm

Copy Transcription (SC #6)

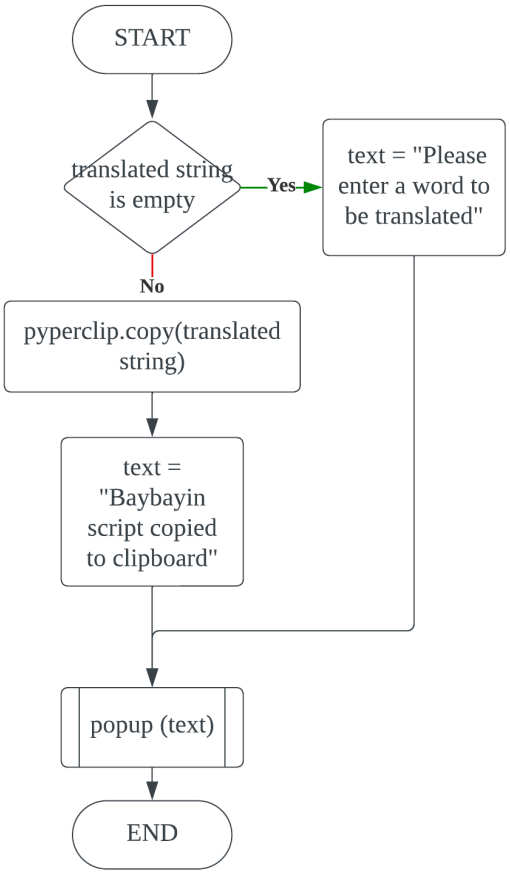

Fig 9. Flowchart of the algorithm that allows the user to copy the transcription.