

**MADRAS INSTITUTE OF TECHNOLOGY  
ANNA UNIVERSITY CHENNAI  
CHENNAI - 600 044**



**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**IT5613 - SOCIALLY RELEVANT PROJECT**  
**LABORATORY**

**Semester: 6**  
**Batch : 2**  
**Team No: 5**  
**Title: BraillePulse**

S.NO	NAME	ROLL NUMBER	SIGNATURE
1	Abinaya S	2021506002	
2	Dharshan S	2021506018	
3	Hemnath N M	2021506026	
4	Arun N	2021506013	

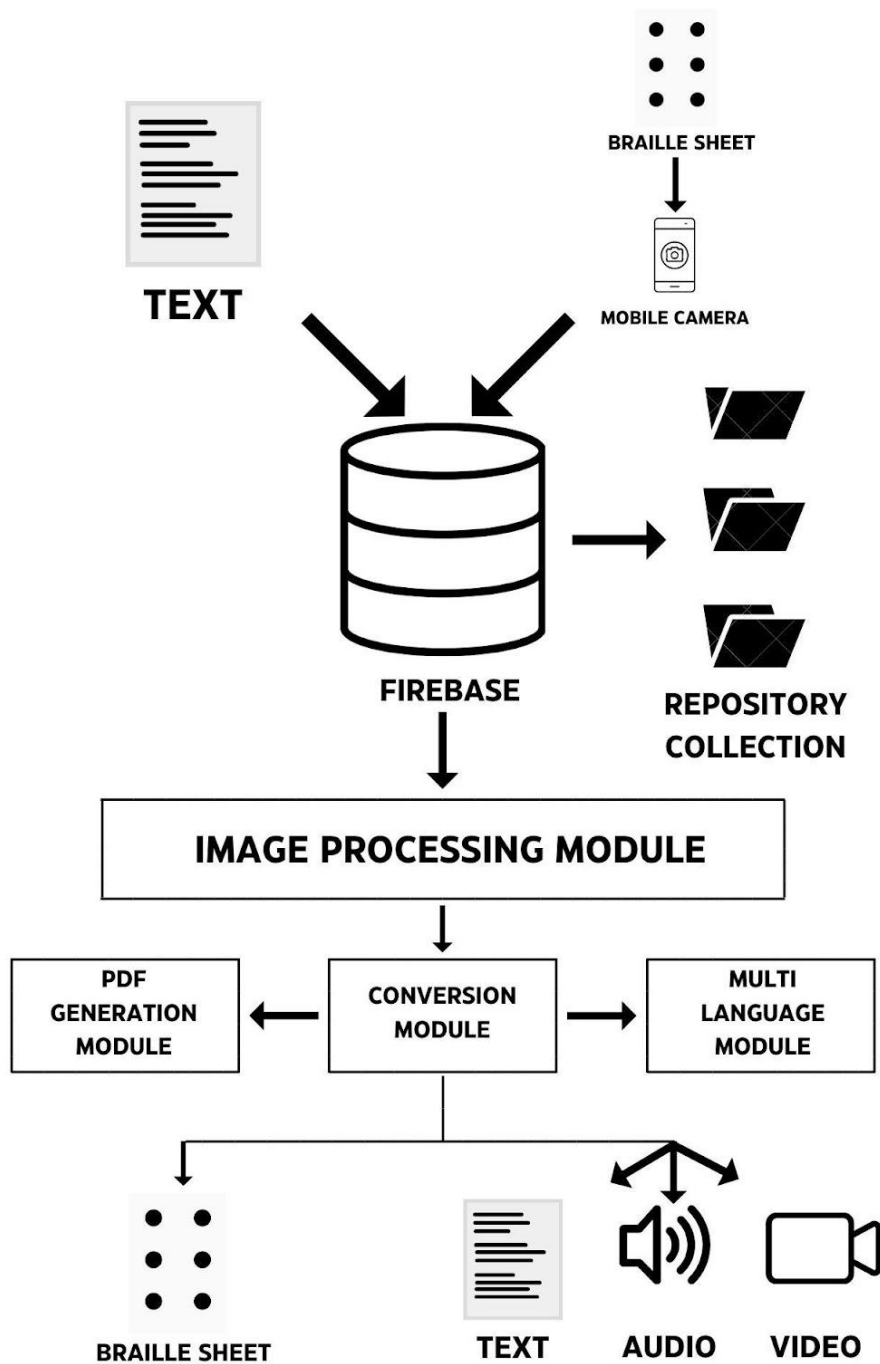
## SOCIALLY RELEVANT PROJECT

### BRAILLEPULSE- DESIGN MODELS

#### Aim:

To create design models for BraillePulse mobile application.

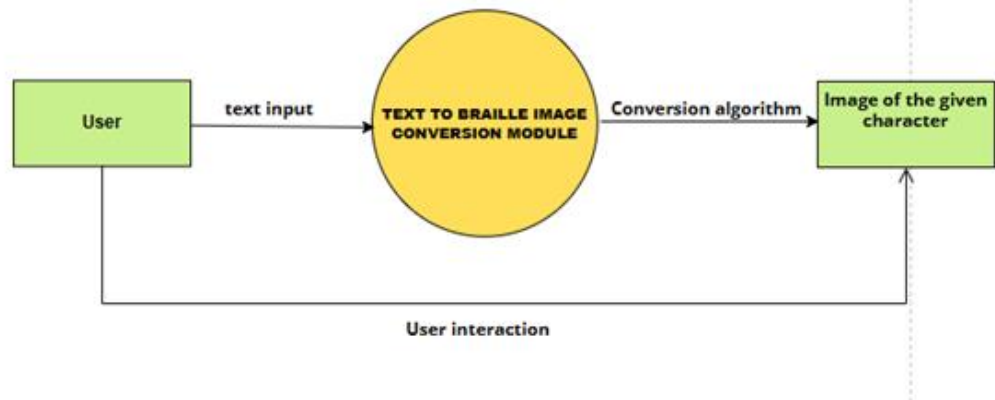
#### ARCHITECTURE DIAGRAM



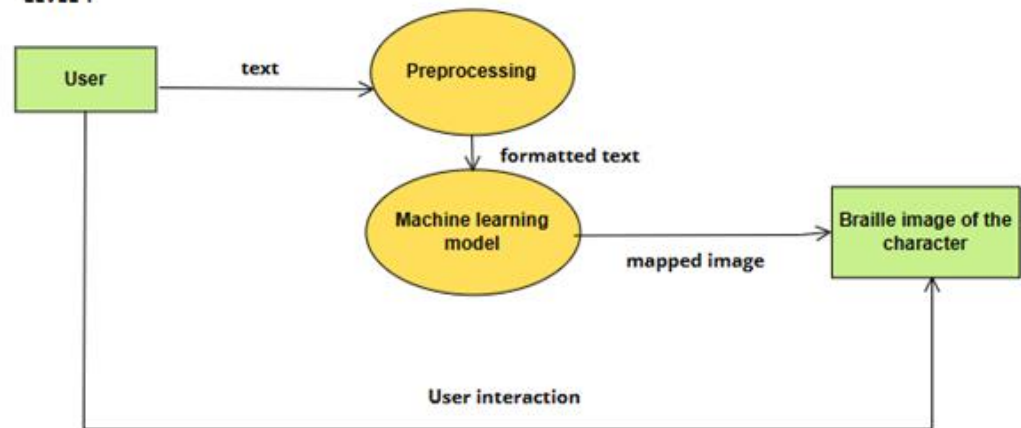
# DATA FLOW DIAGRAM

## MODULE 1: TEXT TO BRAILLE

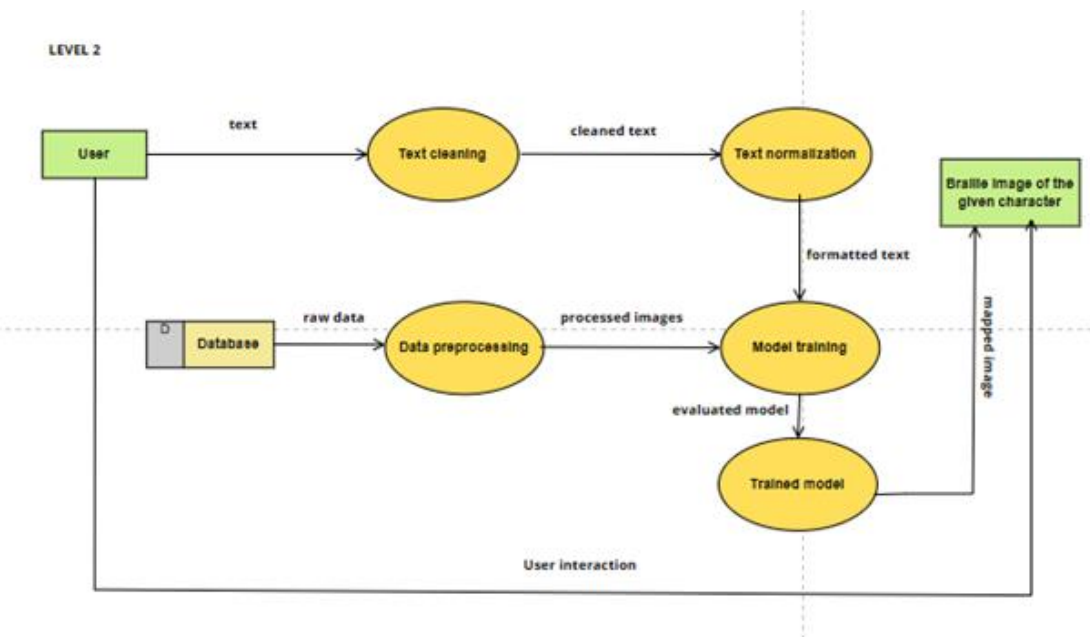
LEVEL 0



LEVEL 1

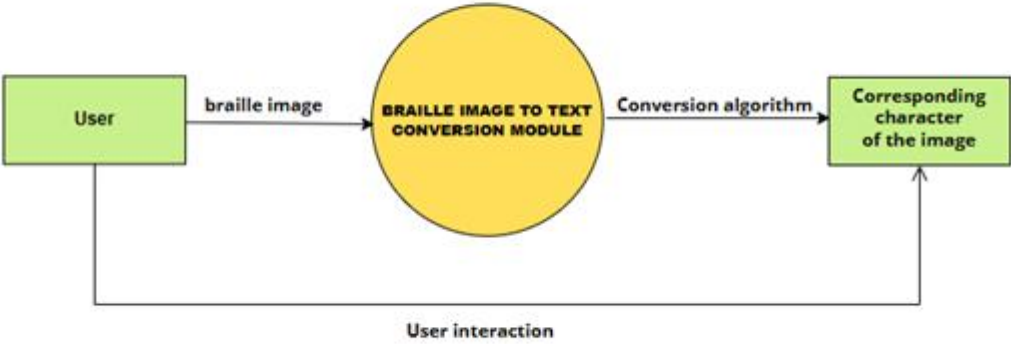


LEVEL 2

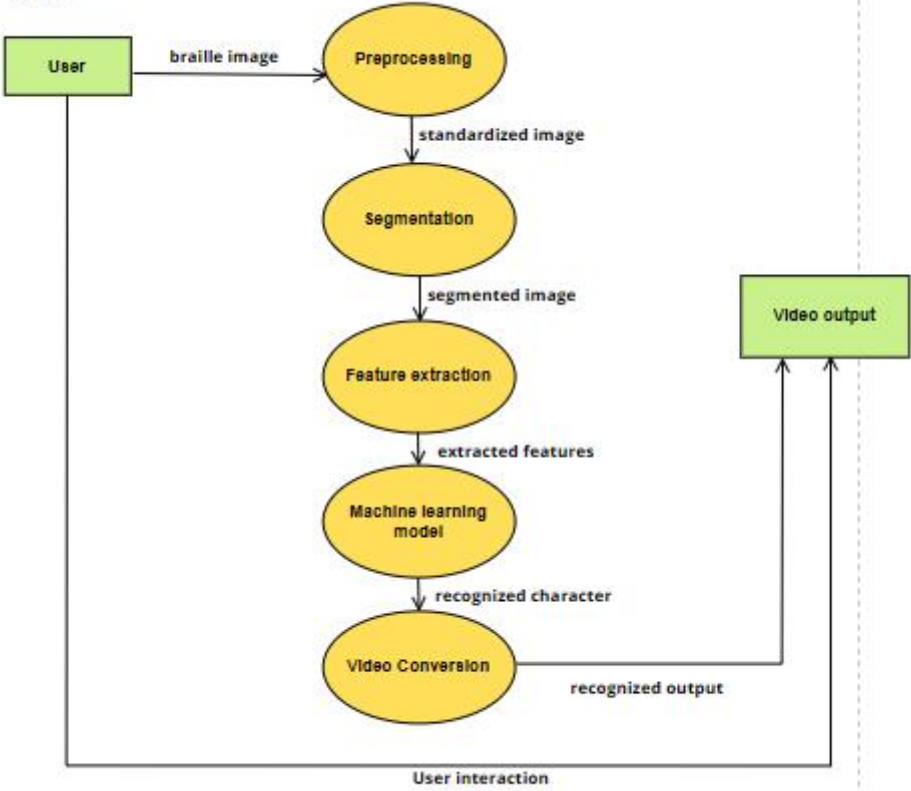


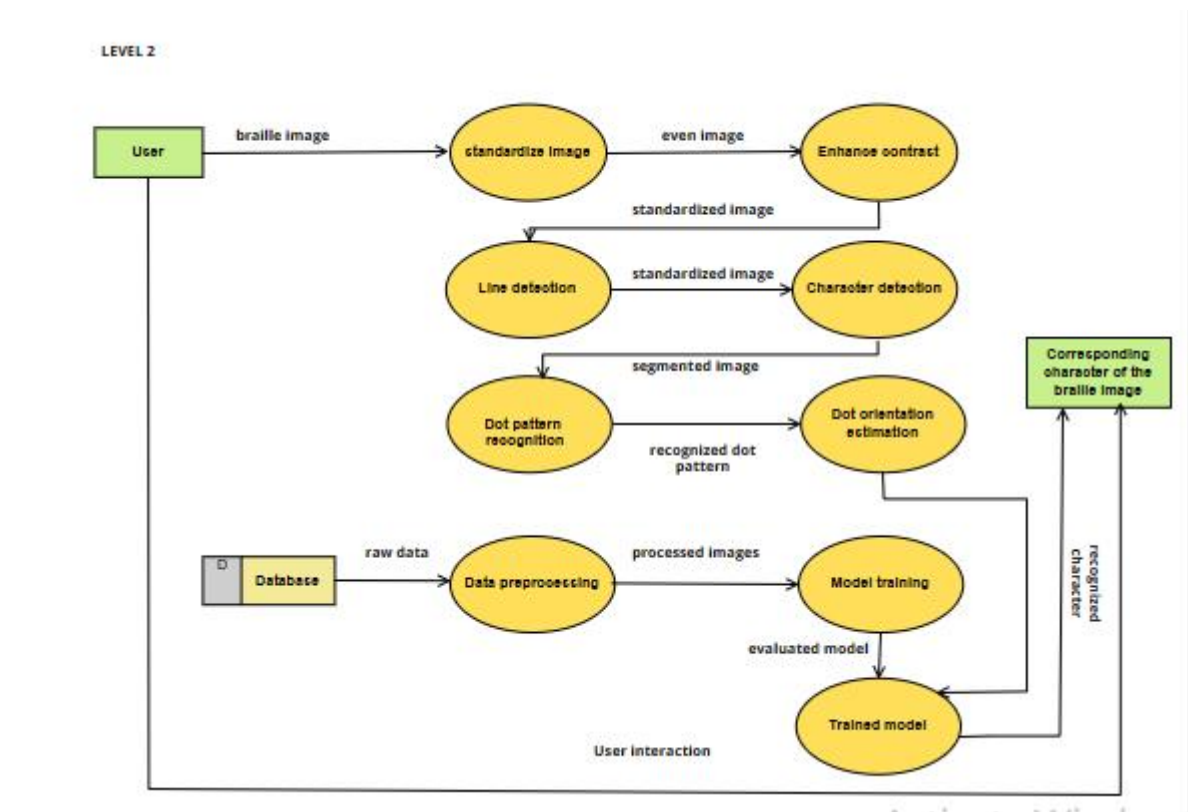
# MODULE 2: BRAILLE IMAGE TO TEXT

LEVEL 0



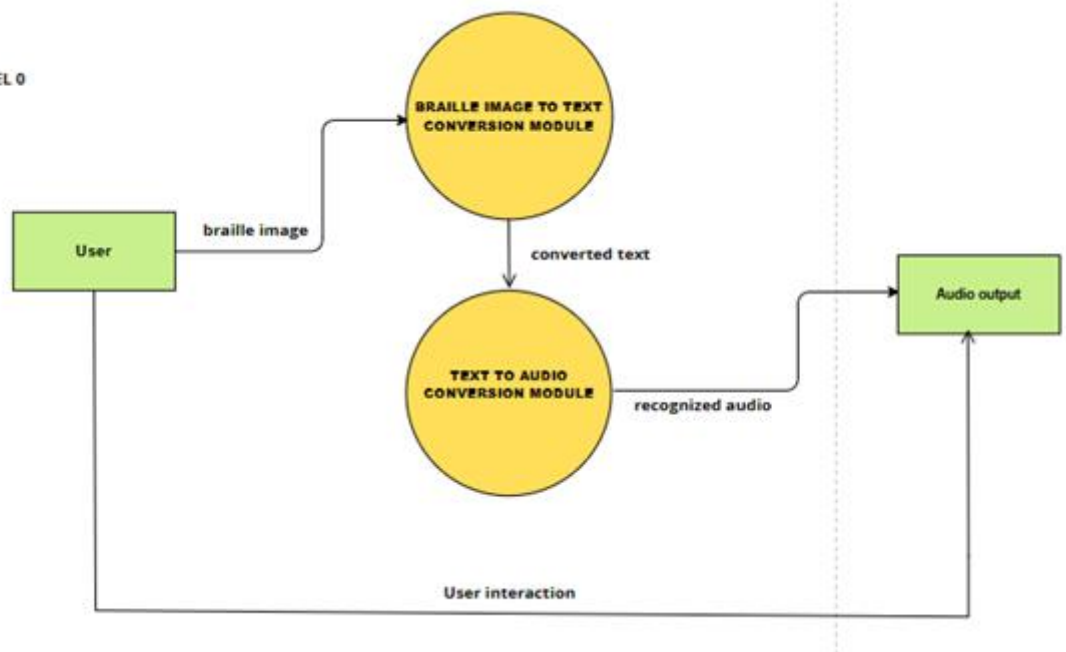
LEVEL 1



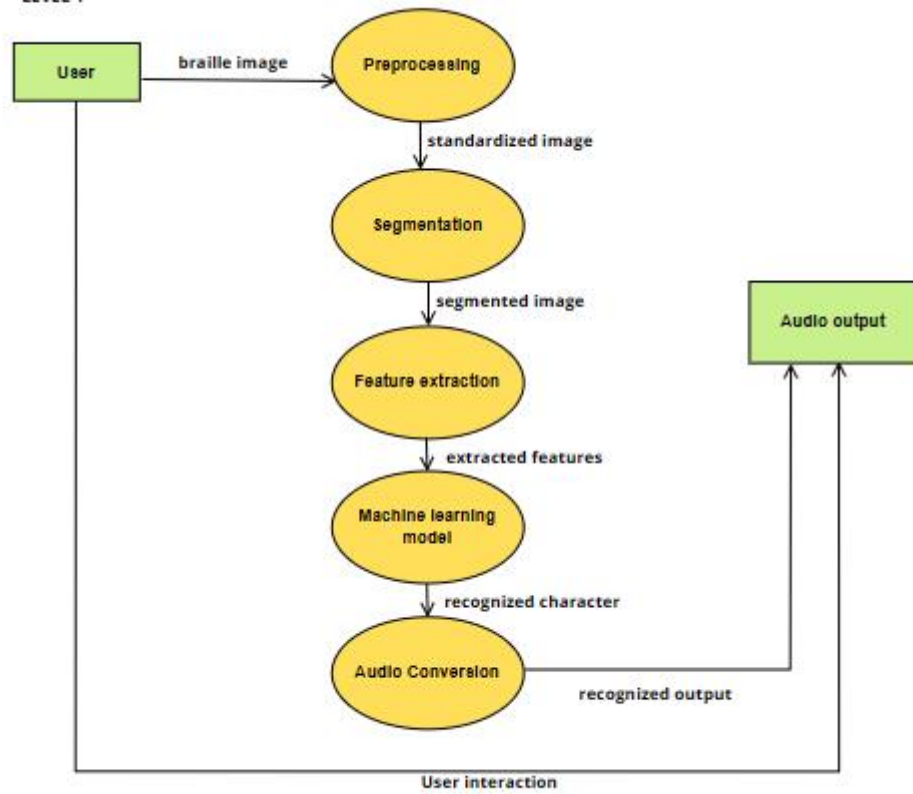


## MODULE 3: BRAILLE IMAGE TO AUDIO

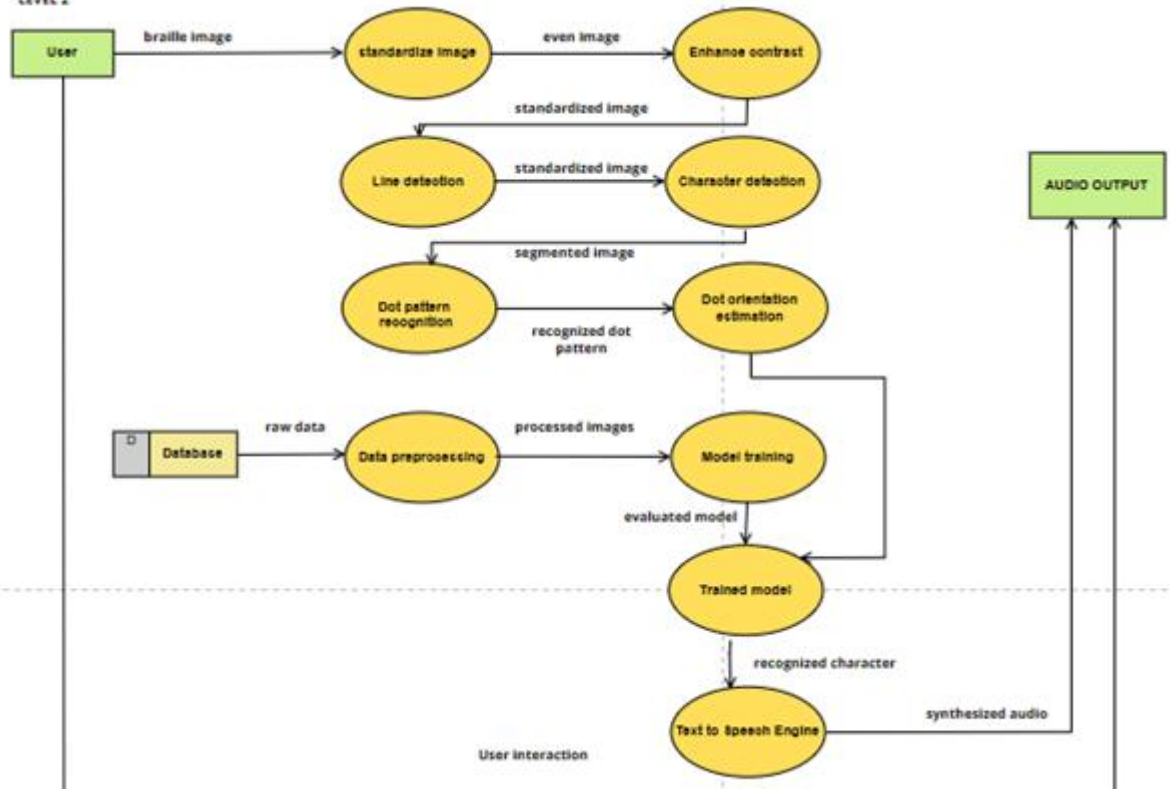
LEVEL 0



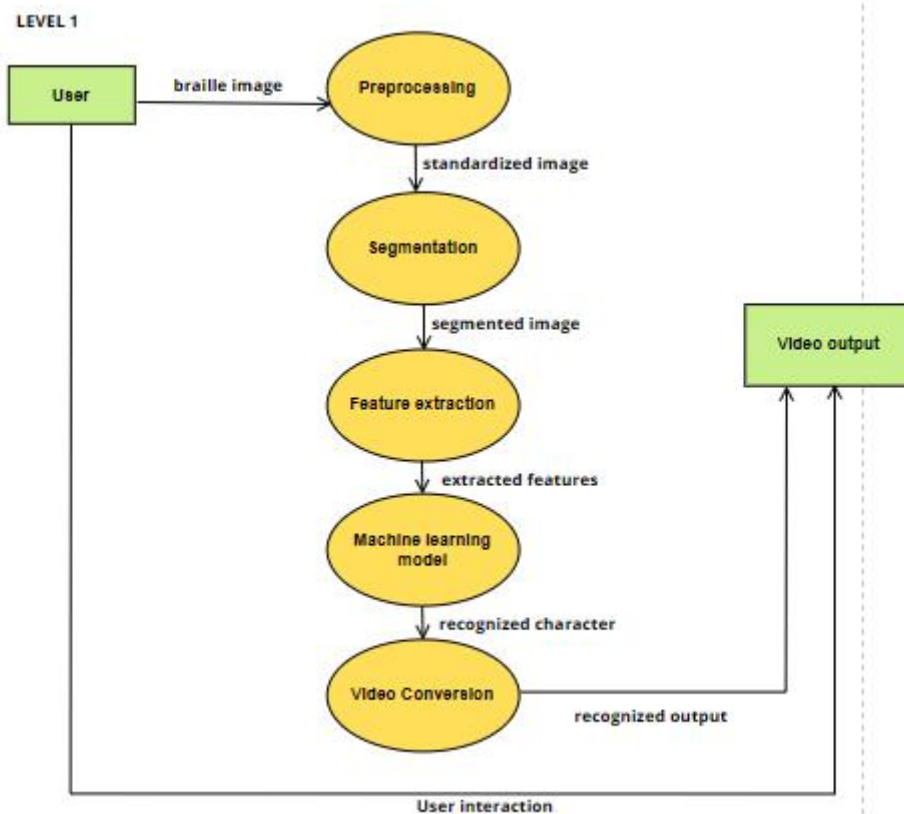
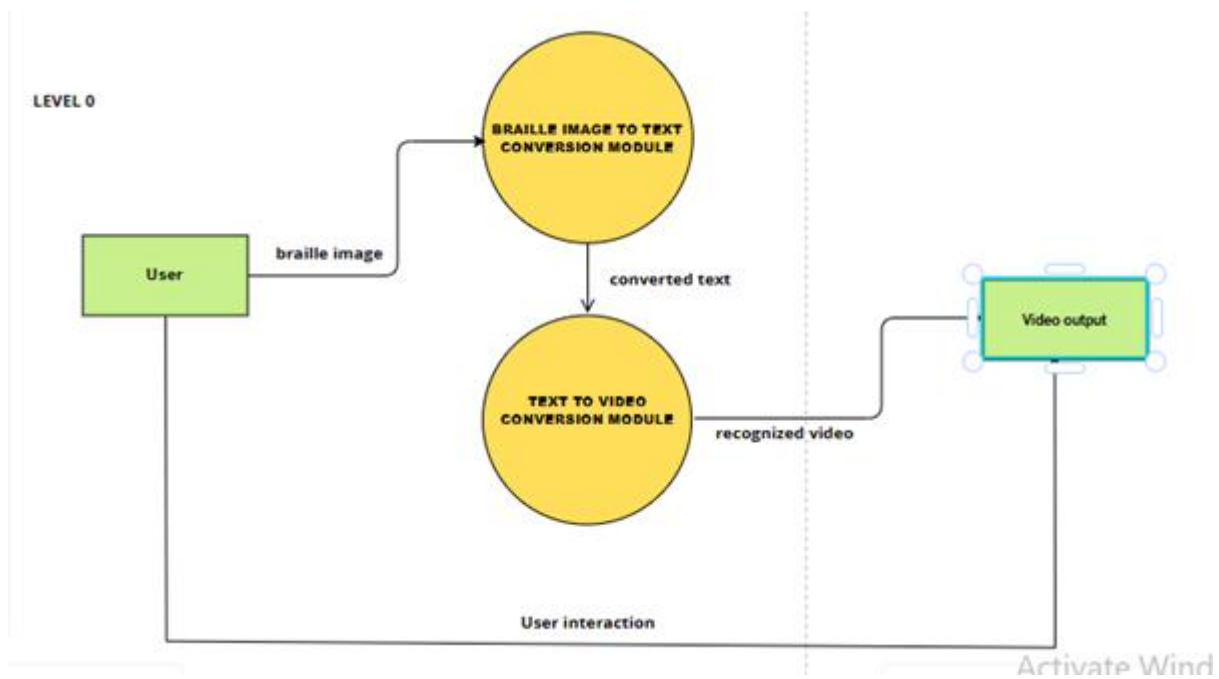
## LEVEL 1

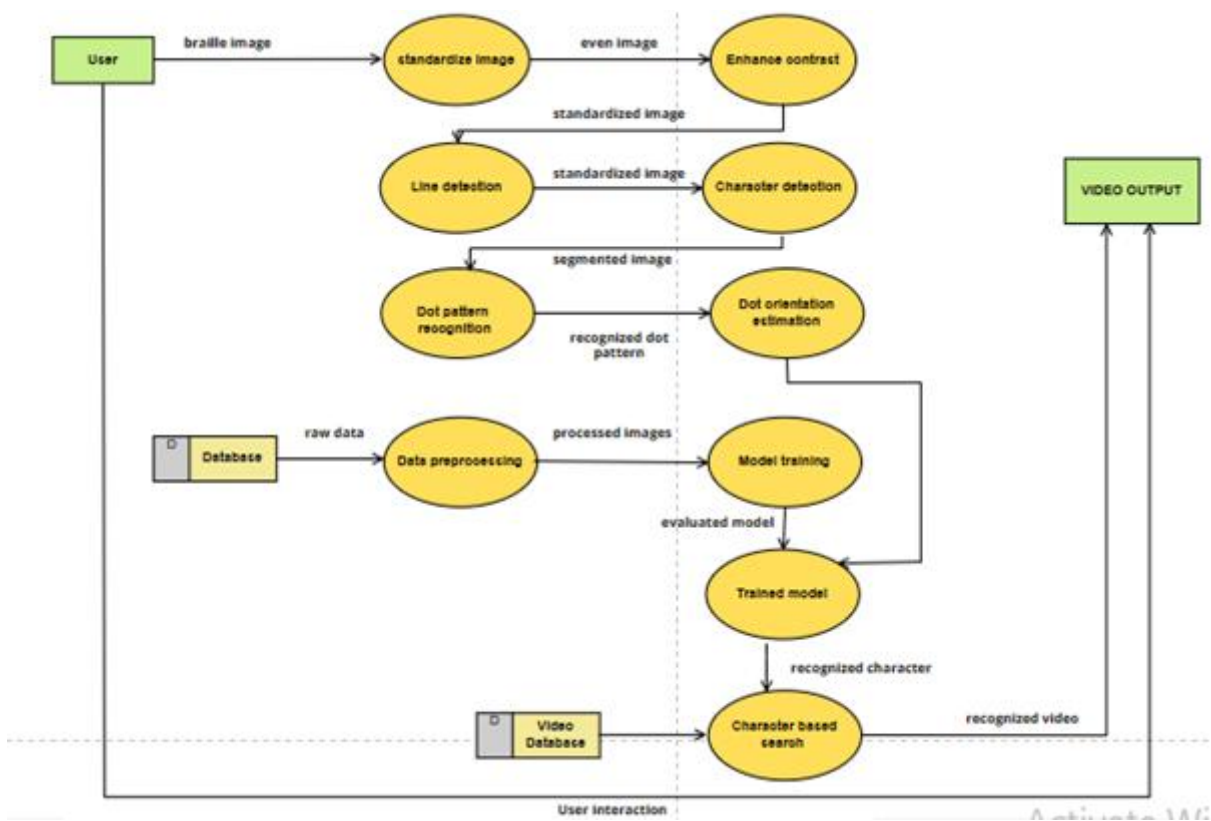


## LEVEL 2



## MODULE 4: BRAILLE IMAGE TO VIDEO

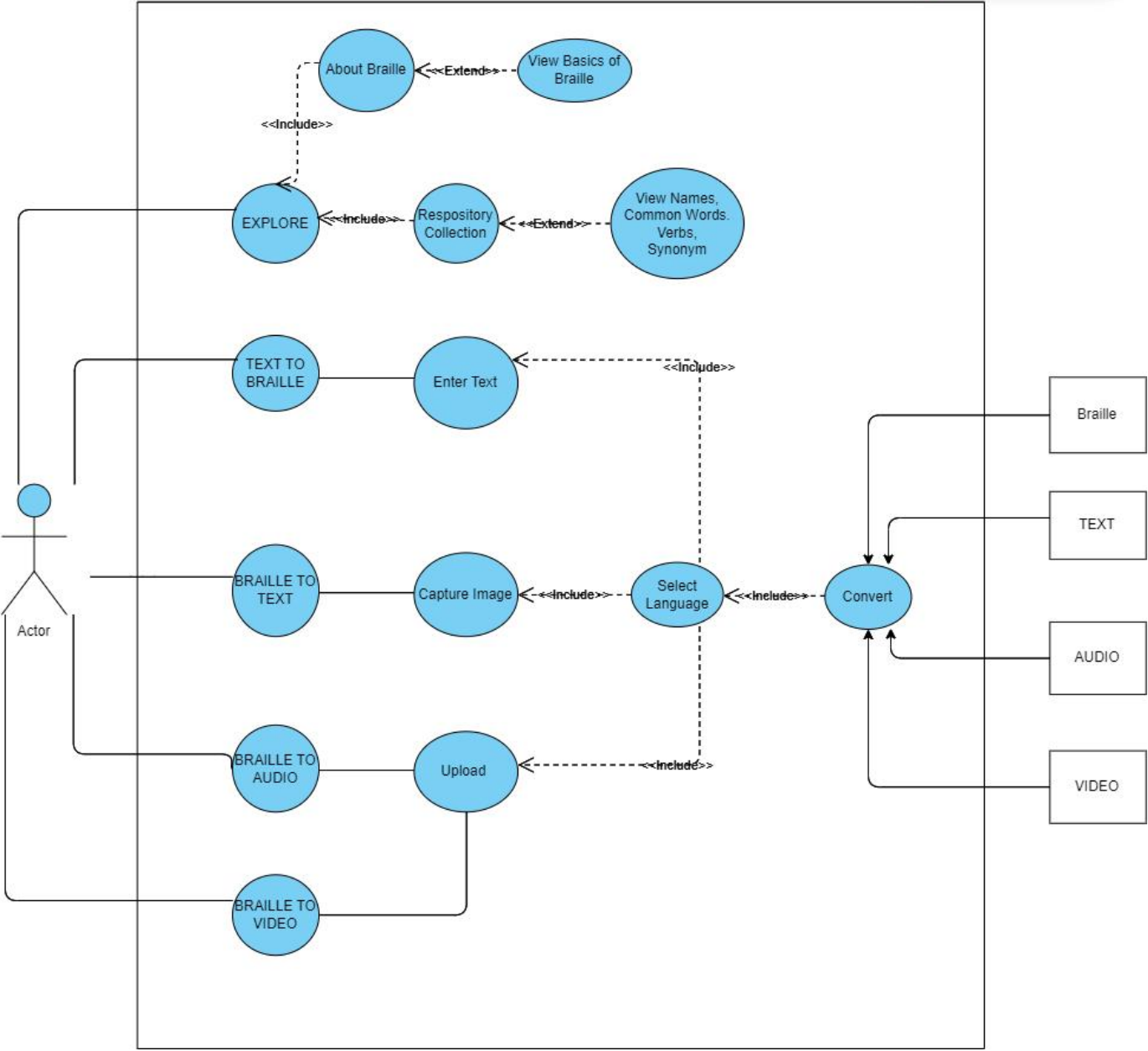






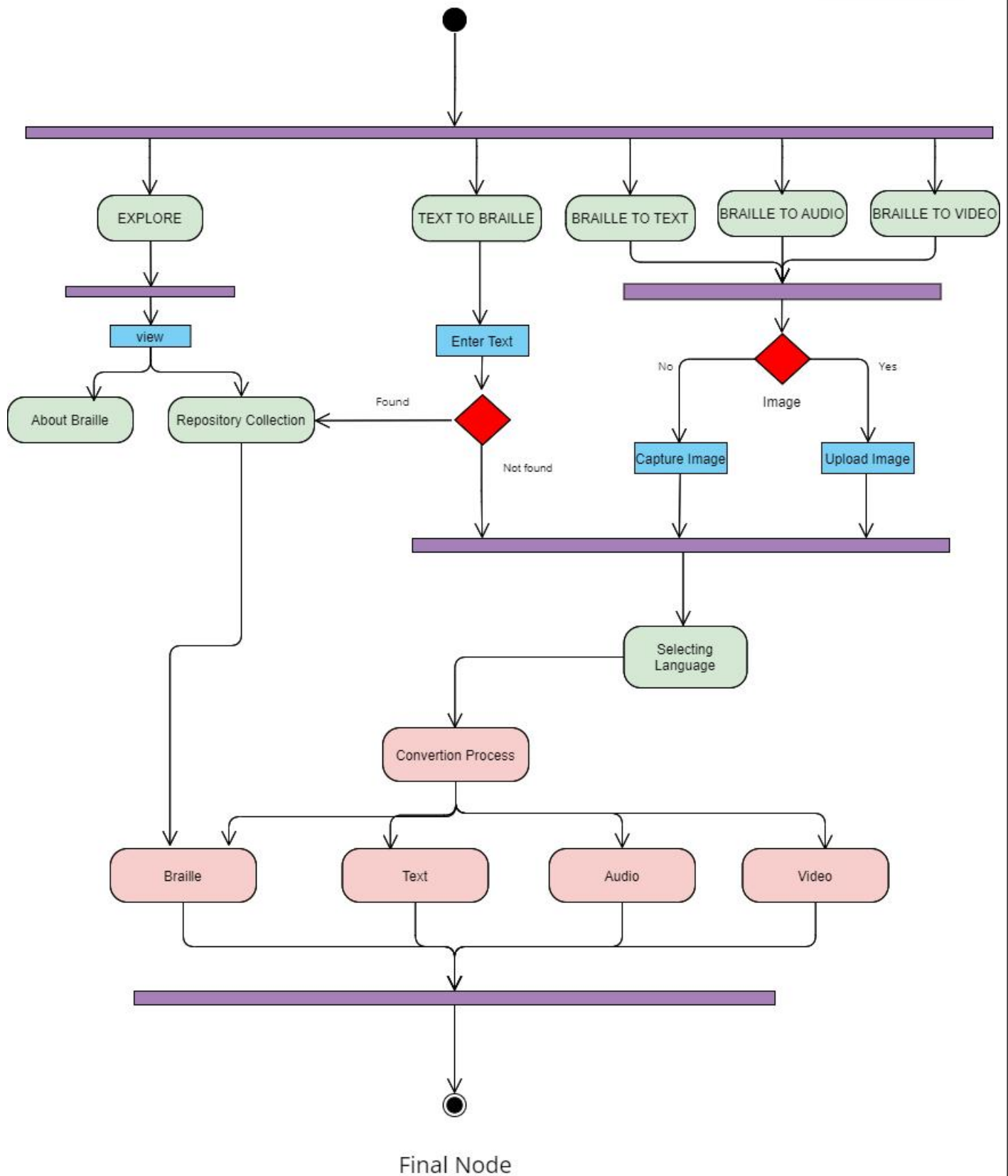
# USE CASE DIAGRAM

Mobile Application

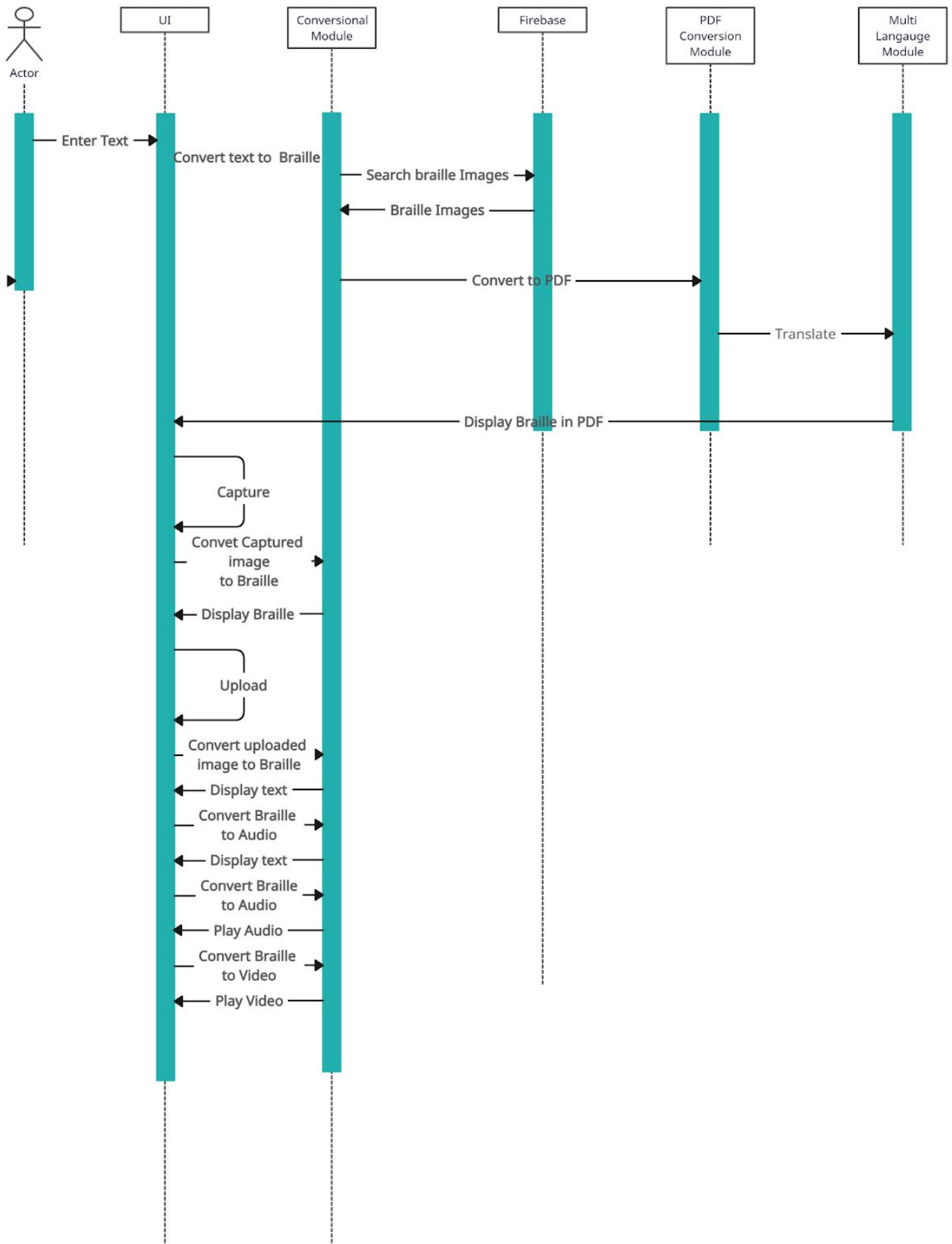


# ACTIVITY DIAGRAM

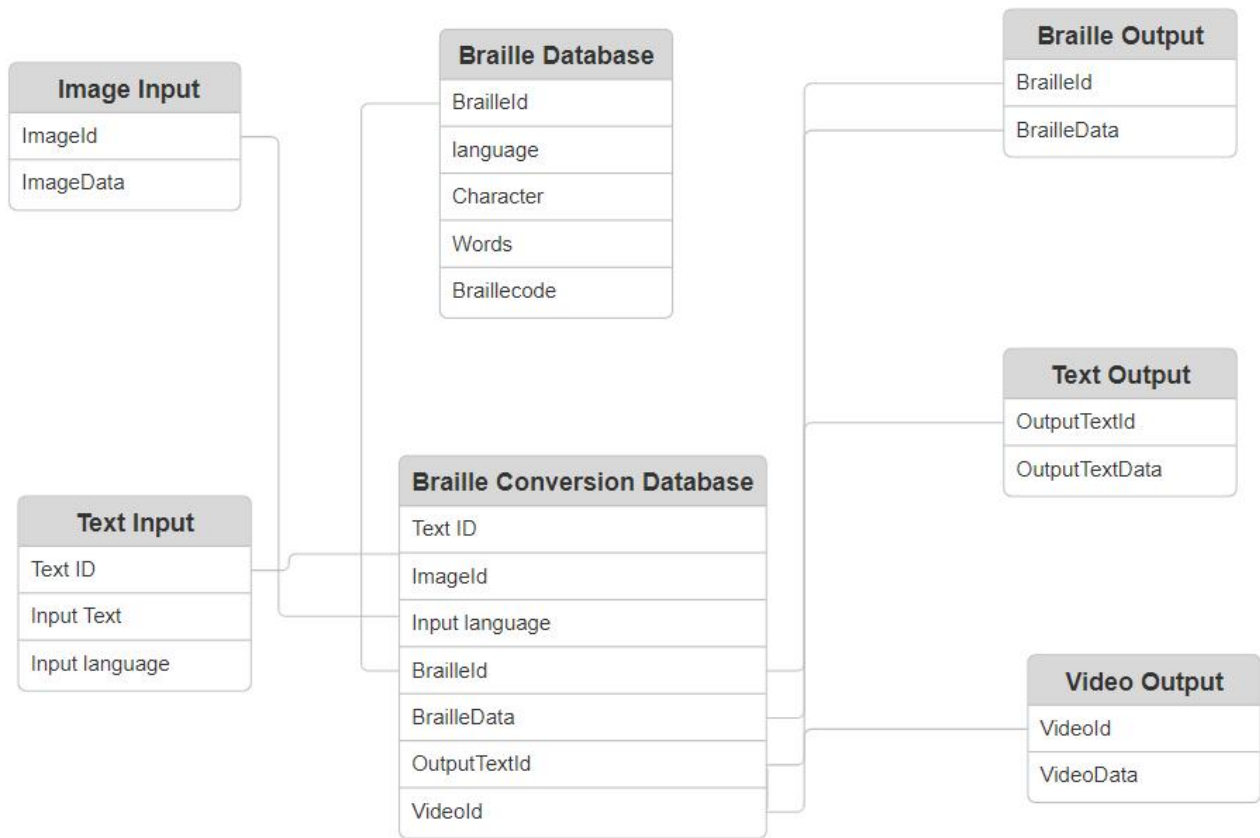
User-Initial Node



# SEQUENCE DIAGRAM



# DATA DESIGN DIAGRAM



**Result:**

Thus , the design models for BraillePulse application is created.