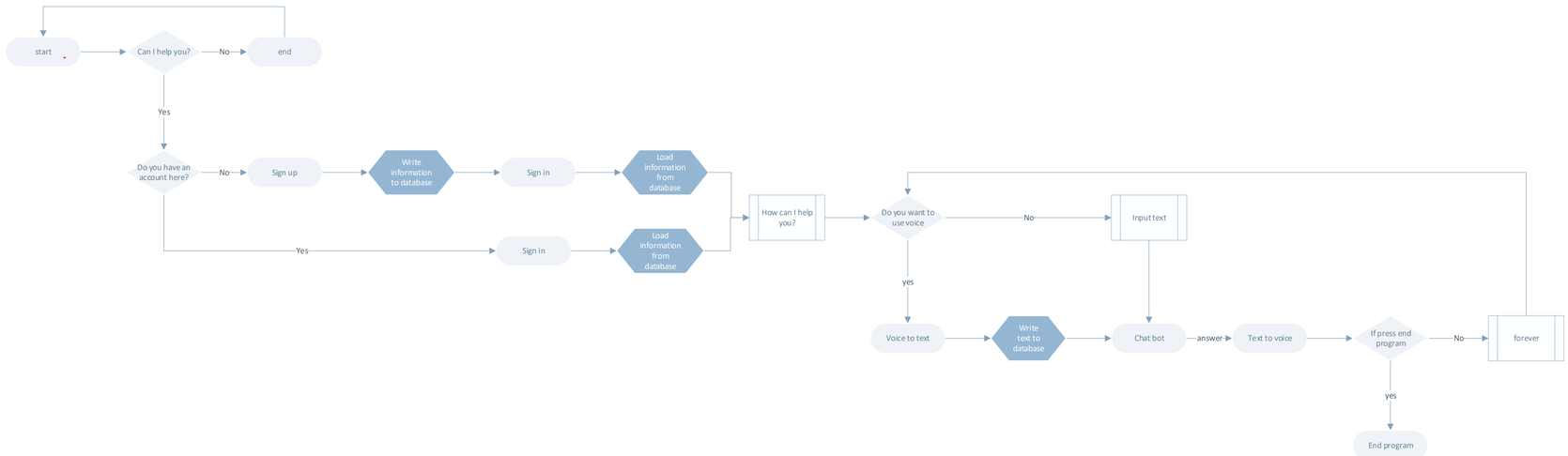
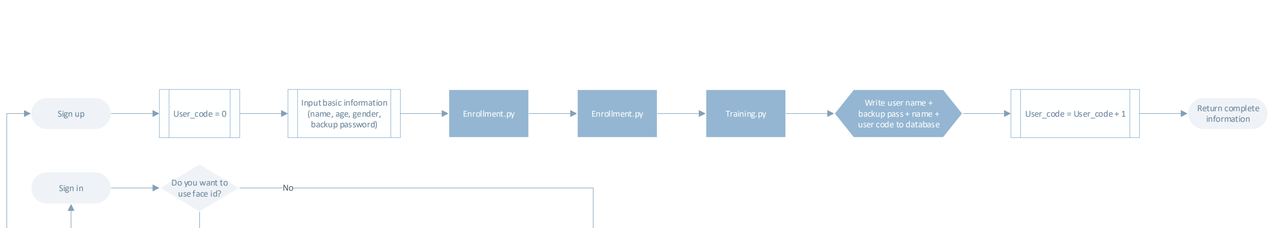
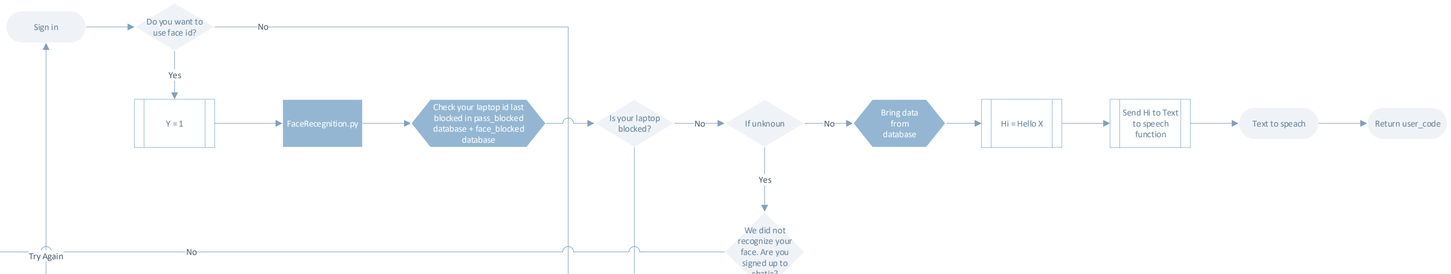
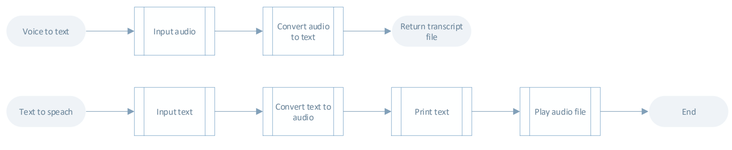

start
Can I help you?
No
end
Yes
Do you have an account here?
No
Sign up
Write information to database
Sign in
Load information from database
Yes
Sign in
Load information from database
How can I help you?
Do you want to use voice
No
Input text
yes
Voice to text
Write text to database
Chat bot
answer
Text to voice
If press end program
No
forever
yes
End program


Sign up
User_code = 0
Input basic information (name, age, gender, backup password)
Enrollment.py
Enrollment.py
Training.py
Write user name + backup pass + name + user code to database
User_code = User_code + 1
Return complete information


Sign in
Do you want to use face id?
No
Yes
Y = 1
FaceRecegnition.py
Check your laptop id last blocked in pass_blocked database + face_blocked database
Is your laptop blocked?
No
If unknoun
No
Bring data from database
Hi = Hello X
Send Hi to Text to speech function
Text to speach
Return user_code
Yes
We did not recognize your face. Are you signed up to chatia?
Try Again
No
Yes
Do you like to sign in using your backup password?
No
End program
Try Again
Y = Y + 1
No
If Y == 2
Yes
Sorry you have tried 2 times arow. Come back an hour later to use face id or sign in using your backup password
Write laptop id to face_blocked database
Do you want to use your backup password?
No
End program
Yes
Sorry. You are blocked due to security issues and cant use face id. Please come back an hour after your account was blocked or you can sign in using your backup password
Do you want to sign in with your backup password?
No
End program
Yes
Yes
Input username and password
Create a hash for password
Check information in database
Is the information corect
Incorrect Information
Wrong username or password. Do you want to try again?
No
End program
Yes
Correct information
Check your laptop id last blocked in pass_blocked database
X = 1
If X < 3
Yes
Sorry. You have tried three times arrow. Come back an hour later to try again
Write laptop id to pass_blocked database
End program
X = X + 1
Are you blocked in the last one hour???
No
Bring data from database
Hi = Hello X
Send Hi to Text to speech function
Text to speach
Return user_code
Yes
Sorry. You are blocked due to security issues. Please come back an hour after your account was blocked
End program


Voice to text
Input audio
Convert audio to text
Return transcript file
Text to speach
Input text
Convert text to audio
Print text
Play audio file
End