



From the table above, every user has an entry in the database. Upon adding each gesture to the document, the database creates an association between the user, the gesture and the document. This association creates respective entries in the gesture and document tables. So in the gesture detection system, the software translates the input from the user into a gesture. The gesture is searched in the gesture table and on a match; the gesture ID and user ID are used to find the document_id. This ID is then used to load the document in the Document table.

IC Card

IC Name: Retrieve document

Description: Get document from database

Interaction Pattern:



Mixed

My Task: Using the document_id, extract document from the database

Time Critical Condition: Yes

Name of Other IC: Return document

Message to Other IC: Document

Other IC's Task: Return the document of the user

Card 5 of 6 (If necessary please use several IC cards to describe an IC)

IC Card

IC Name: Find document

Description: From gesture find document

Interaction Pattern:



Mixed

My Task: Using gesture id and user id (from system) find the document

Time Critical Condition:

Name of Other IC: Retrieve Document

Message to Other IC: gesture_id, user_id

Other IC's Task: Extract document from database

Card 4 of 6 (If necessary please use several IC cards to describe an IC)

IC Card

IC Name: Lookup gesture
Description: Find gesture in database
Interaction Pattern:



Mixed

My Task: Identify gesture
Time Critical Condition: Yes
Name of Other IC: Find user
Message to Other IC: gesture id
Other IC's Task: Look
Card 3of 6 (If necessary please use several IC cards to describe an IC)

IC Card

IC Name: Take in gestures
Description: Convert video to gesture
Interaction Pattern:



Mixed

My Task: Translate the image stream to a gesture
Time Critical Condition: YES
Name of Other IC: Lookup gesture
Message to Other IC: Gesture
Other IC's Task: Find gesture in database
Card 2of 6 (If necessary please use several IC cards to describe an IC)

IC Card

IC Name: Return document

Description: Deliver the document to the user

Interaction Pattern:



By Myself with
Interaction

My Task: Give the document to the user

Time Critical Condition: No

Name of Other IC:

Message to Other IC:

Other IC's Task:

Card 6 of 6 (If necessary please use several IC cards to describe an IC)

IC Card

IC Name: Detect user gesture

Description: Wait for the user to make a gesture

Interaction Pattern:



By Myself with
Interaction

My Task: Capture video from user

Time Critical Condition: No

Name of Other IC: Video manager

Message to Other IC: Video

Other IC's Task: Translate the gestures

Card 1 of 6 (If necessary please use several IC cards to describe an IC)