**Blind navigation**

**Modules**

* **Admin**
  + Login
  + View registered blinds
    - View track request from a caretaker
    - Track a blind person
* **Care Taker**
  + Register
  + Manage blind account
  + Add emergency numbers
  + View help request
    - Send reply message
  + Send track request to admin
  + Track a blind person
* **Blind Person**
  + Launch app
  + Detect sign boards and identify character (OCR)
    - Read loud the detected characters (text to voice converter)
  + Send voice message to care taker (voice to text converter)
    - Hear message (text to voice converter)

**Tables**

* Login
  + login\_id
  + Username
  + Password
  + Usertype
* CareTaker
  + caretaker\_id
  + login\_id
  + first\_name
  + last\_name
  + Phone
  + Email
* Blind
  + blind\_id
  + login\_id
  + caretaker\_id
  + first\_name
  + last\_name
  + phone\_number
* EmergencyNumbers
  + emergency\_id
  + blind\_id
  + Number
  + person\_name
  + Relation
* HelpRequest
  + request\_id
  + blind\_id
  + request\_message
  + reply\_message
  + message\_date
* Locations
  + location\_id
  + blind\_id
  + Latitude
  + Longitude
  + Datetime