Authentication

User->Web API: Personal Access code

Note right of User: POST \n wecare/authentication\n{"code" : "jhaCU\_79ohi3\_fgdf"}

Web API->Data Access: Check validation

Data Access->DB: Validate the Personal Access code

DB->Data Access: Grant Access

Data Access->Web API: Grant Access

Web API->User: Access Verified Screen

Note right of User: {<user1>}

Search for a patient

User->Web API: Search for a patient

Note right of User: GET \nwecare/patients\n{"name" : "Kendall Alexander","DateOfBirth":07/11/1972}

Web API->Data Access: Check validation

Data Access->DB: Find patient Records

DB->Data Access: Return Patient Records

Data Access->Web API: Return Patient Records

Web API->User: Return "Patient Records" screen

Note right of User: {<Kendall Alexander>}

Add a patient

User->Web API: Add a Patient

Note right of User: POST \nwecare/addapatient\n{"name" : "Kendall Alexander","DateOfBirth":07/11/1972,\n"DateOfAdmission": 10/14/2020 "Gender": "Male","Address" \n "112 Court Ottawa CA","PatientContact" : 1122334455 \n "Height" : 170 "Weight": 80,"CurrentlyOnMedication":"No"\n"Emergency Contact":9988776655 "EmergencyFirstName":"Mitchell"\n"EmergencyLastName":"Kendall", "Relationship": "Friend"}

Web API->Data Access: Check validation

Data Access->DB: Add patient

DB->Data Access: Return

Data Access->Web API: Return

Web API->User: Return "Medical History" screen

Note right of User: {<Kendall Alexander>}

Add medical history

User->Web API: Add Medical History

Note right of User: POST \nwecare/addapatient/medicalhistory\n{"disease" : "Abdominal Pain" "GastroIntestinal",\n"Symptoms":"none","medical allergies":"No" \n"consumealcohol": "yes","consumestobaccoorsmoke":"no" }

Web API->Data Access: Check validation

Data Access->DB: Add Medical History

DB->Data Access: Return

Data Access->Web API: Return

Web API->User: Return "Search For A Patient Screen" screen

Note right of User: {<List of patients>}

Active patient cases

User->Web API: Active patient cases

Note right of User: GET \nwecare/activepatientcase/sortby/critical\n

Web API->Data Access: Check sort condition

Data Access->DB: Find Active patient cases

DB->Data Access: Return Patient list

Data Access->Web API: Sort Patient list

Web API->User: Return Sorted patient list

Note right of User: {[<patient : "Loki" doctoronduty: "DrFury" condition:"critical"> \n<patient : "Rogers" doctoronduty: "Dr.Bucky" condition:"critical">\n...\n...]}