**Update Patient Vitals**

The user, who must be a Doctor, Nurse Practitioner or Nurse, logs in to the application. The user then either brings up the patient list and selects the patient to update or uses the search to find and select a patient.

The user then selects the option to add an entry to the patient’s vital sign history. The vital signs entry form comes up, and the user enters the patient’s current pulse, respiration rate, blood pressure and temperature.

The application will validate that the vital signs are within a valid range, and then ask the user for confirmation. If the user confirms the entry, it is added to the database. If the user does not confirm the entry, then the entry is discarded, and the user is returned to the vital sign entry form.

**Use Case:** *Update Patient Vitals***Actors:** UI, ECSInterface (ECS)  
**Initiating Actor:** UI  
**Events:**

* UI req. ser. *Create New ECS* from ECS
* ECS req. ser. Accept ECS Object from UI
* UI req. ser. *Log in* from ECS
* ECS req. ser. Accept Available Actions from UI
* UI req. ser. *Get Patient List*  from ECS
* ECS req. ser. Accept Patient List from UI
* UI req. ser. *Get Patient Chart* from ECS
* ECS req. ser. Accept Patient Chart from UI
* UI req. ser. *Get New Vitals Entry* from ECS
* ECS req. ser. Fill Out Vitals Entry from UI
* UI req. ser. *Commit Vitals Entry* from ECS
* ECS req. ser. Accept Commit Result from UI

**Use Case:** *Log In***Actors:** ECS, AppInterface (AppInt), DBInterface (DBInt)  
**Initiating Actor:** ECS  
**Events:**

* ECS req. ser. *Create New AppInterface* from AppInt
* AppInt req. ser. *Store AppInterface* from ECS
* ECS req. ser. *Create New DBInterface* from DBInt
* DBInt req. ser. *Store DBInterface*  from ECS
* ECS req. ser. *Verify User Credentials* from DBInt
* DBInt req. ser. *Get Available Actions*  from AppInt
* AppInt req. ser. *Return Available Actions* from ECS

**Use Case:** *Get Patient List***Actors:** ECS, AppInterface (AppInt), DBInterface (DBInt)  
**Initiating Actor:** ECS  
**Events:**

* ECS req. ser. *Retrieve All Patient Names* from AppInt
* AppInt req. ser. *Retrieve All Patients*  from DBInt
* DBInt req. ser. *Create Patient Name List* from AppInt
* AppInt req. ser. *Return Patient List* from ECS

**Use Case:** *Get Patient Chart***Actors:** ECS, AppInterface (AppInt), DBInterface (DBInt)  
**Initiating Actor:** ECS  
**Events:**

* ECS req. ser. *Retrieve Patient Chart* from AppInt
* AppInt req. ser. *Retrieve Patient Data* from DBInt
* DBInt req. ser. *Create Patient Chart*  from AppInt
* AppInt req. ser. *Return Patient Chart* from ECS

**Use Case:** *Commit Vitals Entry***Actors:** ECS, AppInterface (AppInt), DBInterface (DBInt)  
**Initiating Actor:** ECS  
**Events:**

* ECS req. ser. *Commit Vitals Entry*  from AppInt
* AppInt req. ser. *Commit Vitals Entry* from DBInt
* DBInt req. ser. *Accept Commit Result*  from AppInt
* AppInt req. ser. *Return Commit Result* from ECS