MATISSE_API. An API built for the MATISSE project

In this document, a brief overview and description of the available API calls implemented for the MATISSE project is presented. Detailed descriptions of the models, API call parameters and URL parameters are included in the Swagger Online documentation, as well as deliverable D3.1 *MATISSE prototype*. Some examples of the Swagger documentation are following.

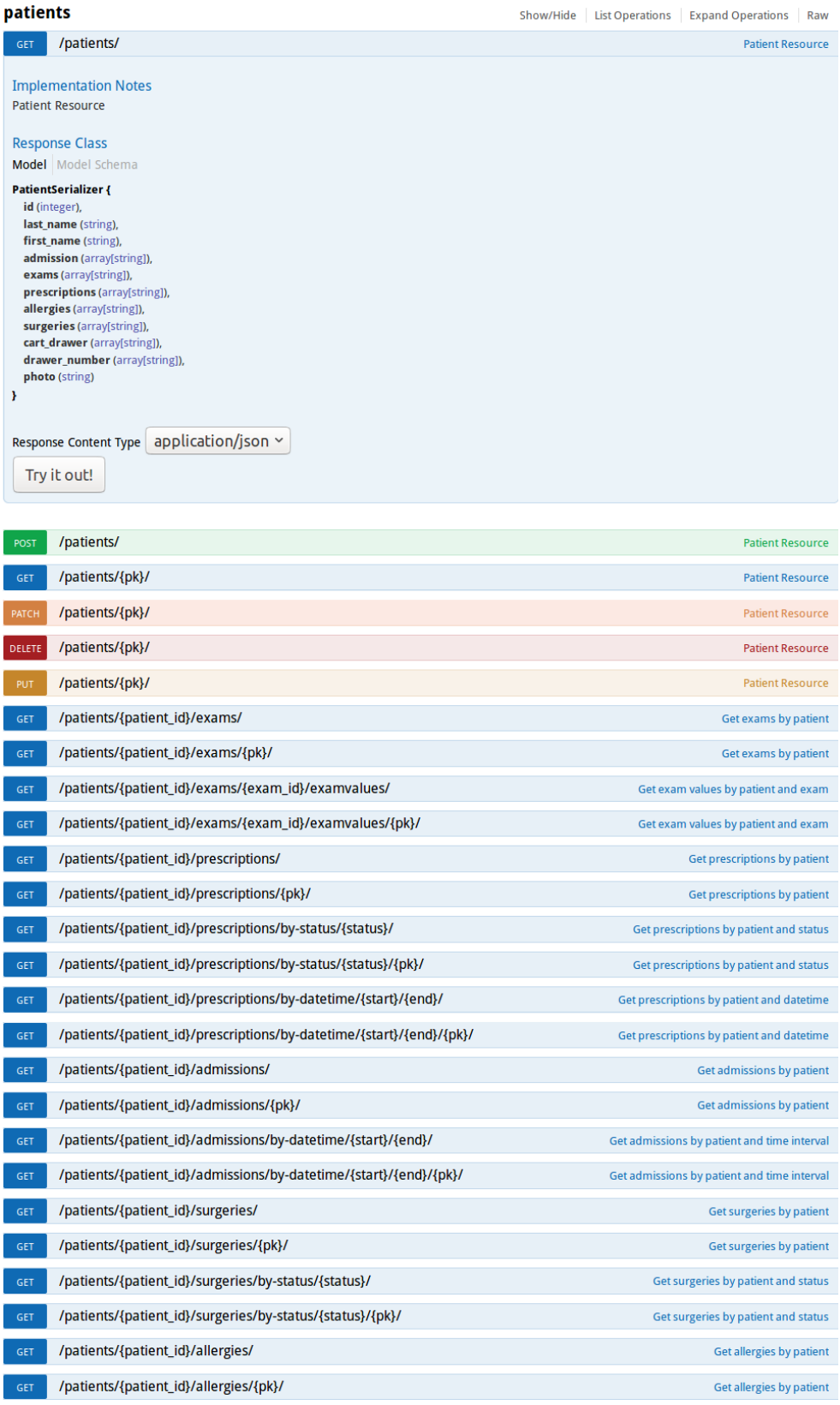

Figure 1: Patient model and related API calls

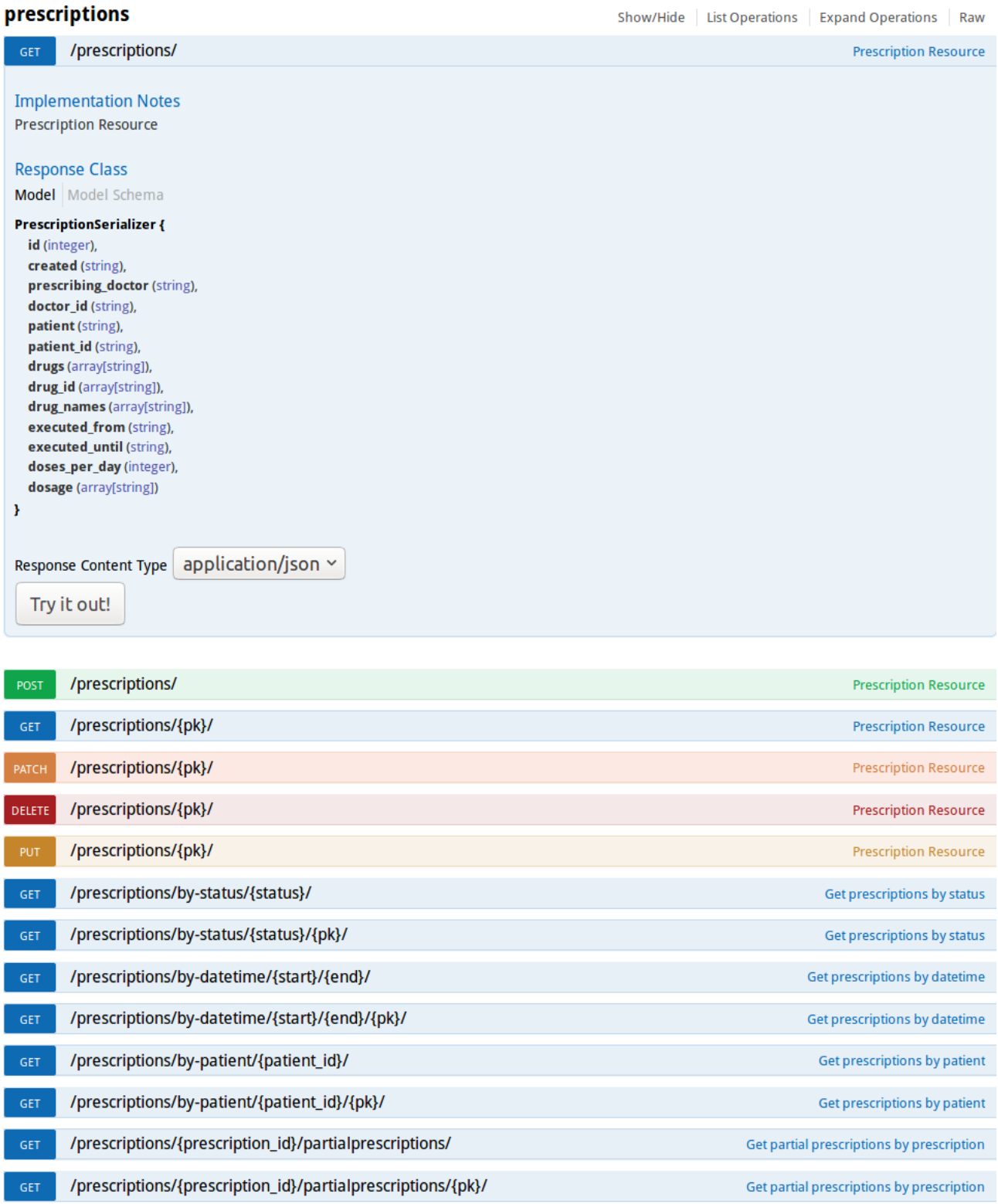

Figure 2: Prescription Model and related API calls

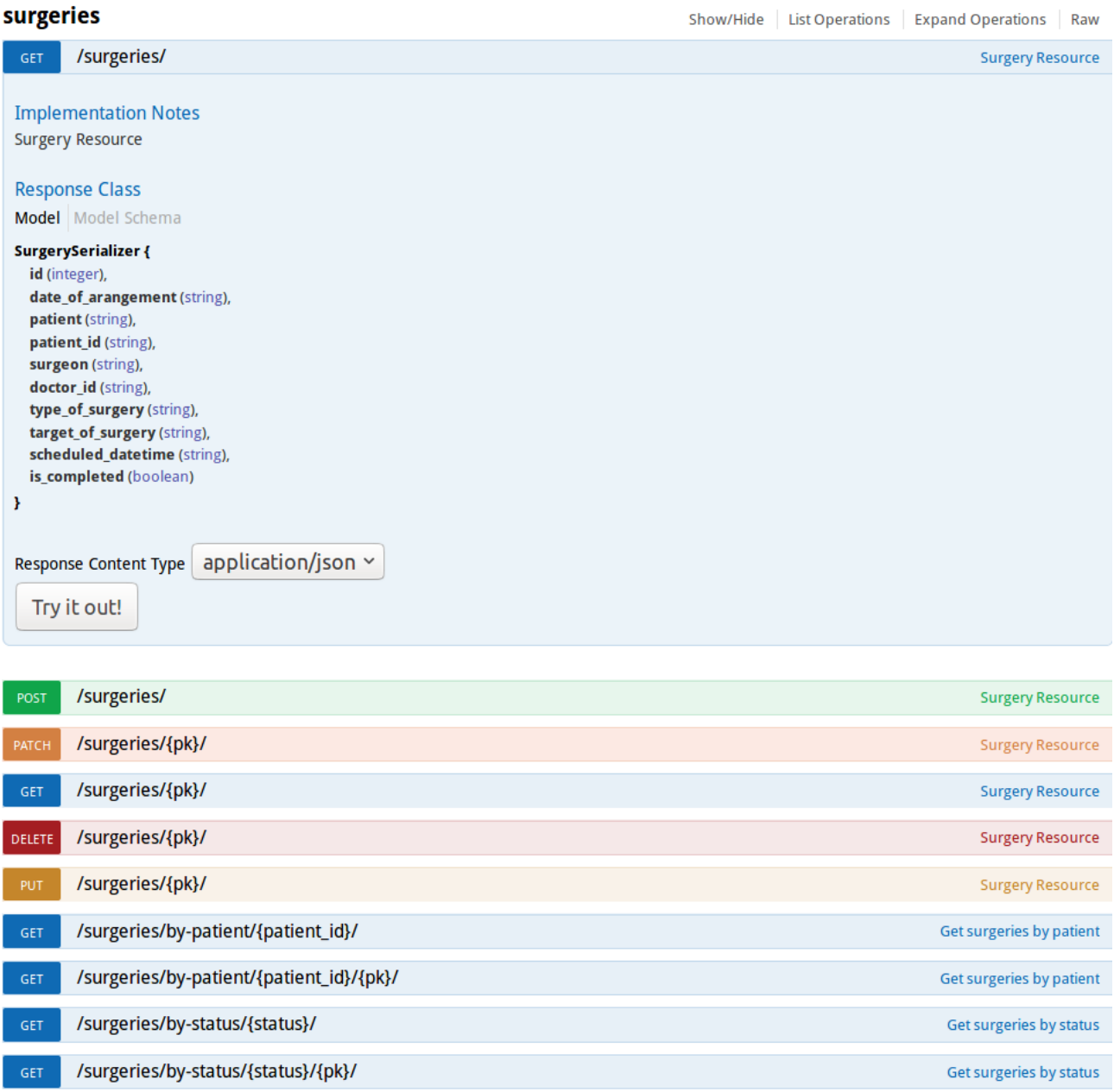

Figure 3: Surgery Model and related API calls

/aauth

URL	/aauth/login
Methods	POST
Description	User login

URL	/aauth/logout
Methods	POST
Description	User logout

/admissions

URL	/admissions/{admission_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete admission resources

URL	/admissions/by-patient/{patient_id}/{admission_id}
Method	GET
Description	Get admissions by patient

URL	/admissions/by-datetime/{start}/{end}/{admission_id}
Method	GET
Description	Get admissions by datetime

/allergies

URL	/allergies/{allergy_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete allergy resources

URL	/allergies/by-patient/{patient_id}/{allergy_id}
Method	GET
Description	Get allergies by patient

/drugs

URL	/drugs/{drug_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete drug resources

/exams

URL	/exams/{exam_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete exam resources

URL	/exams/by-patient/{patient_id}/{exam_id}
Methods	GET
Description	Get exams by patient

/patients

URL	/patients/{patient_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete patient resources

URL	/patients/{patient_id}/exams/{exam_id}
Methods	GET
Description	Get exams by patient

URL	/patients/{patient_id}/prescriptions/{prescription_id}
Methods	GET
Description	Get prescriptions by patient

URL	/patients/{patient_id}/prescriptions/by-status/{status}/{prescription_id}
Methods	GET
Description	Get prescriptions by patient and status

URL	/patients/{patient_id}/prescriptions/by-datetime/{start}/{end}/{prescription_id}
Methods	GET
Description	Get prescriptions by patient and datetime

URL	/patients/{patient_id}/admissions/{admission_id}
Methods	GET
Description	Get admissions by patient

URL	/patients/{patient_id}/admissions/by-datetime/{start}/{end}/{admission_id}
Methods	GET
Description	Get admissions by patient and datetime

URL	/patients/{patient_id}/surgeries/{surgery_id}
Methods	GET
Description	Get surgeries by patient

URL	/patients/{patient_id}/surgeries/by-status/{status}/{surgery_id}
Methods	GET
Description	Get surgeries by patient and status

URL	/patients/{patient_id}/allergies/{allergy_id}
Methods	GET
Description	Get allergies by patient

/prescriptions

URL	/prescriptions/{prescription_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete prescription resources

URL	/prescriptions/by-status/{prescription_id}
Methods	GET
Description	Get prescriptions by status

URL	/prescriptions/by-datetime/{start}/{end}/{prescription_id}
Methods	GET
Description	Get prescriptions by datetime

URL	/prescriptions/by-patient/{patient_id}/{prescription_id}
Methods	GET
Description	Get prescriptions by patient

URL	/prescriptions/{prescription_id}/prescription_doses
Methods	GET
Description	Get doses of specific prescription

/prescription_doses

URL	/prescription_doses/{prescription_dose_id}
Methods	GET
Description	Get prescription dose resources

URL	/prescription_doses/by-prescription/{prescription_id}
Methods	GET
Description	Get prescription doses by prescription

URL	/prescription_doses/by-datetime/{start}/{end}
Methods	GET
Description	Get prescription doses by datetime

/sessions

URL	/sessions/drugs_stocktaking/carts/{cart_id}/patients
Methods	GET
Description	Associate patients with pending prescriptions to bins of smart cart and fetch them

URL	/sessions/drugs_stocktaking/carts/{cart_id}/patients/{patient_id}/prescription_doses
Methods	GET
Description	Get prescription doses of patient associated with specific bin of smart cart

URL	/sessions/drugs_stocktaking/carts/{cart_id}/patients/{patient_id}/prescription_doses/{dose_id}
Methods	GET
Description	Mark prescription dose as ready for stocktaking session

URL	/sessions/drugs_stocktaking/carts/{cart_id}/patients/{patient_id}/start
Methods	GET
Description	Start drugs’ stocktaking for specific patient, commanding the cart to indicate the correct drawer’s bin for this patient

URL	/sessions/drugs_stocktaking/carts/{cart_id}/patients/{patient_id}/completed
Methods	GET
Description	Complete the drugs’ stocktaking for this patient commanding the cart to switch its indications off

URL	/sessions/medication_distribution/carts/{cart_id}/patients/{patient_id}
Methods	GET
Description	Retrieve the scanned patients for distribution session and command the cart to indicate the correct drawer’s bin for the patient

URL	/sessions/medication_distribution/carts/{cart_id}/patients/{patient_id}/prescription_doses
Methods	GET
Description	Mark prescription doses as delivered and switch smart cart indications off

/smartcarts

URL	/smartcarts/{smartcart_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete smartcart resources

/substances

URL	/substances/{substance_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete substance resources

/surgeries

URL	/surgeries/{surgery_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete surgery resources

URL	/surgeries/by-patient/{patient_id}/{surgery_id}
Methods	GET
Description	Get surgeries by patient

URL	/surgeries/by-status/{status}/{surgery_id}
Methods	GET
Description	Get surgeries by status

/users

URL	/users/{user_id}
Methods	GET | POST | PUT | DELETE
Description	Create, update, get or delete user resources

URL	/users/by-role/{user_role}/{user_id}
Methods	GET
Description	Get users by role

URL	/users/by-username/{username}
Methods	GET
Description	Get user by username