

PAYMENT AND INSURANCE SYSTEMS

Karina

Vincent

Your Logo

Doctors

Adress

About us

Mr.Bob

Therapist

100\$

Appointment

Mr.Gleb

Traumatologist

150\$

Appointment

Mr.Ivan

Urologist

200\$

Appointment

Mr.John

Oculist

75\$

Appointment

...

...

Appointment

...

...

Appointment

Payment of \$100. A doctor's appointment with Mr. Gleb

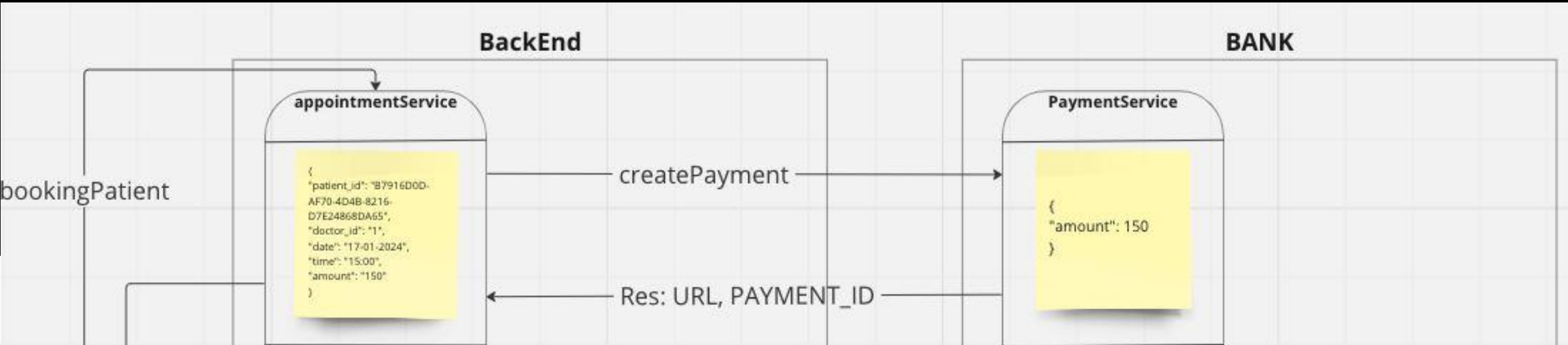
Form of payment

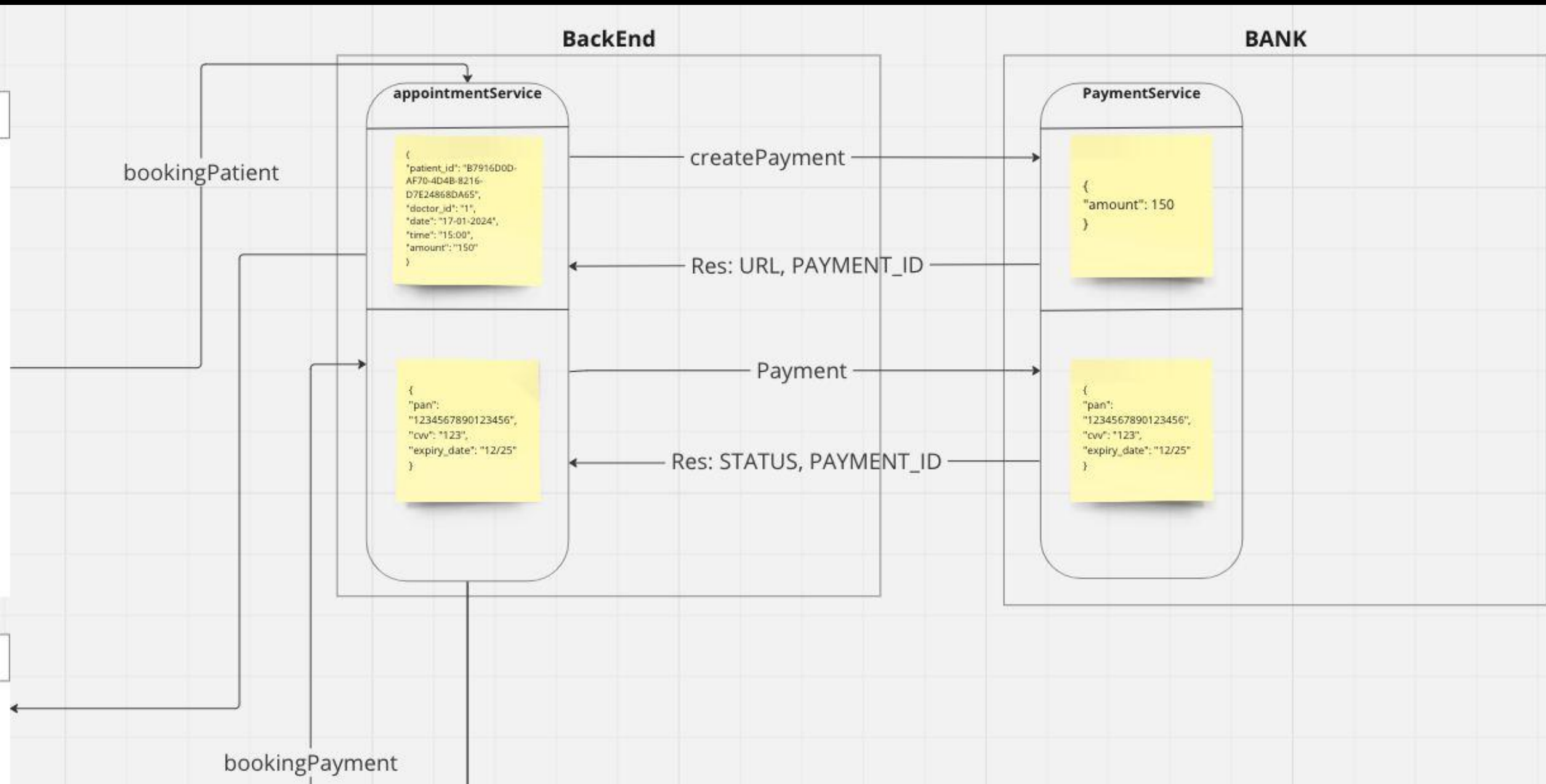
Card number

Expired date

CVV

PAY





Your Logo

Doctors

Adress

About us

STATUS PAYMENT

SUCCESS

TO HOME

Your Logo

Doctors

Adress

About us

STATUS PAYMENT

FAILED

TO HOME



ent

STATUS

	<div>123id</div>	<div>ABCpatient_id</div>	<div>123doctor_id</div>	<div>ABCdateAppointment</div>	<div>ABCtimeAppointment</div>	<div>ABCstatus</div>	<div>123amount</div>	<div>ABCpayment_id</div>
1	1	1	1	23-01-2024	14:00	BOOKED	100	53FAFDA4-AD15-4982-9167-3D1DD7090EB9
2	2	B7916D0D-AF70-4D4B-8216-D7E24868DA65	1	18-01-2024	13:00	BOOKED	120	C80177AE-FB3B-4E86-A102-A89E7EBBF2B1
3	3	B7916D0D-AF70-4D4B-8216-D7E24868DA65	1	16-01-2024	15:00	BOOKED	120	433844AD-34CA-478C-90E4-453934A889A2
4	4	B7916D0D-AF70-4D4B-8216-D7E24868DA65	1	17-01-2024	15:00	FAILED	120	5E3C7968-2FE3-41AC-A61F-E8946E5A86E7
5	5	B7916D0D-AF70-4D4B-8216-D7E24868DA65	1	17-01-2024	14:00	PENDING PAYMENT	120	EC28ADEF-3091-46F2-8F4B-B90B52C05B58

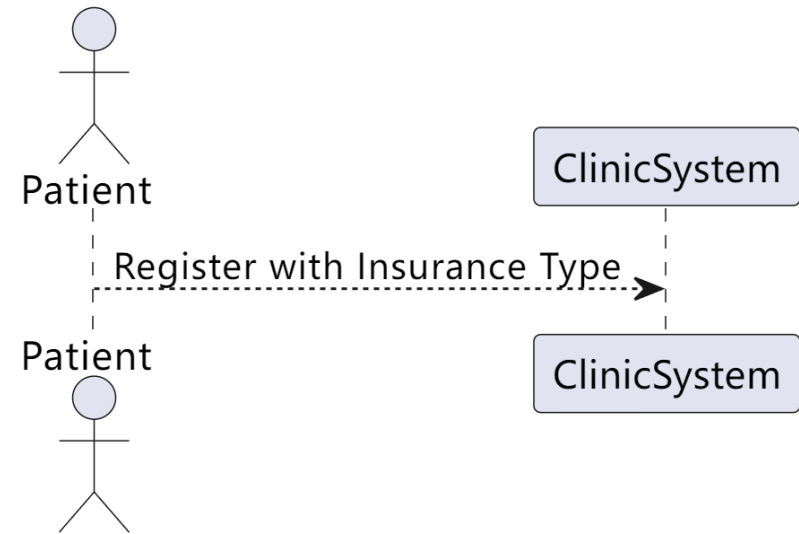
	<div>123id</div>	<div>ABCpayment_id</div>	<div>123amount</div>	<div>ABCpan</div>	<div>ABCexpired</div>	<div>ABCcreatedDate</div>	<div>ABCpaymentDate</div>	<div>ABCstatus</div>
1	1	53FAFDA4-AD15-4982-9167-3D1DD7090EB9	100	1234567890123456	12/22	2024-01-09 23:07:20	2024-01-09 23:07:23	SUCCESS
2	2	C80177AE-FB3B-4E86-A102-A89E7EBBF2B1	120	1234567890123456	12/25	2024-01-09 23:25:53	2024-01-09 23:28:59	SUCCESS
3	3	433844AD-34CA-478C-90E4-453934A889A2	120	1234567890123456	12/25	2024-01-13 14:54:22	2024-01-13 14:57:49	SUCCESS
4	4	5E3C7968-2FE3-41AC-A61F-E8946E5A86E7	120	1234567890123456	12/25	2024-01-13 14:59:57	2024-01-13 15:00:28	FAILED
5	5	EC28ADEF-3091-46F2-8F4B-B90B52C05B58	120	0	0	2024-01-13 18:55:09	0	PENDING

1. Insurance Registration for Patients

Patients now have the option to register their insurance information within the clinic management system.

The **Patient** class has been extended to include an ***insuranceType*** attribute, allowing patients to specify whether they have public, private, or no insurance.

This information can be chosen during patient registration.



```
1.class Patient {
2.private:
3.    // Other attributes...
4.    std::string insuranceType;
5.public:
6.    // Other methods...
7.    // Method for insurance registration
8.    void chooseInsuranceType(const std::string& type) {
9.        insuranceType = type;
10.    }
11.};
```

```

1.class Patient {
2.private:
3.    // Other attributes...
4.public:
5.    // Other methods...
6.    // Method for submitting insurance claim
7.    std::string submitInsuranceClaim() {
8.        // Logic for claim submission...
9.        // Notify insurance provider about the claim
10.       insuranceProvider.notifyClaimSubmission();
11.        // Additional logic...
12.        return "Insurance claim submitted successfully";
13.    }
14.};

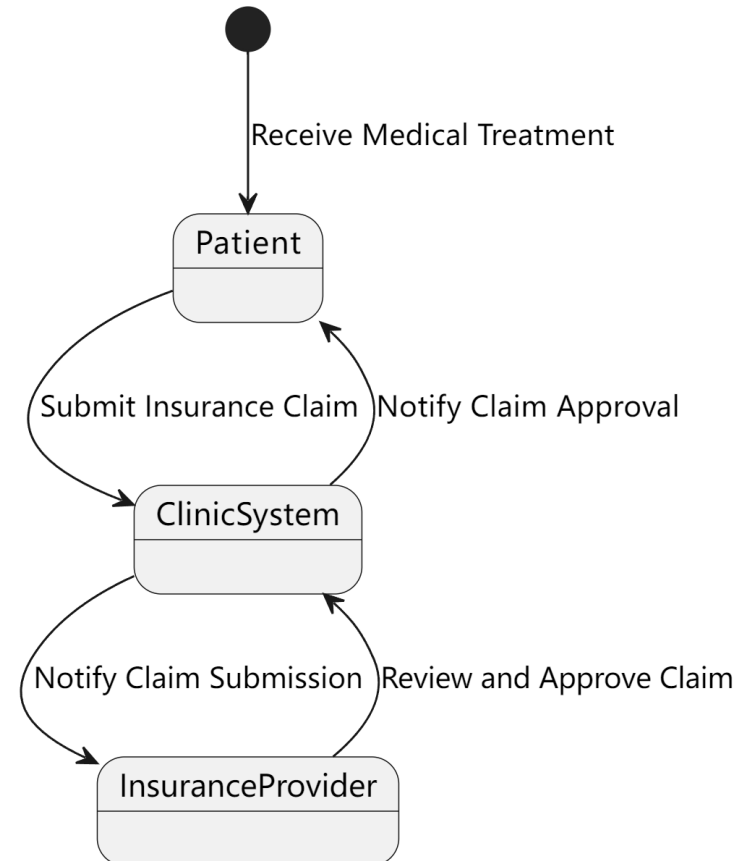
```

for patients.

After receiving medical treatment, patients can submit insurance claims through the ***submitInsuranceClaim*** method in the **Patient** class.

The clinic system then interacts with an ***InsuranceProvider*** to notify them of the claim.

The claim goes through stages such as submission, review, and approval, with notifications sent to the patient at each stage.



```

1.class Patient {
2.private:
3.    // Other attributes...
4.    std::string insuranceType;
5.public:
6.    // Other methods...
7.    // Method for retrieving medical history
8.    std::map<std::string, std::string> getMedicalHistory() {
9.        // Logic for retrieving medical history...
10.        // Include insurance-related information
11.        medicalHistory["InsuranceType"] = insuranceType;
12.        // Additional logic...
13.        return medicalHistory;
14.    }
15.};

```

This functionality enhances patient engagement by providing a consolidated view of their healthcare journey, including insurance details.

Additionally, the **InsuranceProvider** class includes a method (**notifyClaimApproval**) to notify patients when their insurance claim has been approved.

