Exercise 5 – **Sequence Diagram**

Exercise 6 - **Operations Contracts**

*Use Case 1: Pay bill*

**Denis Murray**

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| --- | --- |
| Operation Contract for “payBill ()” | |
| **Operation:** | payBill (payBillId: Integer, value: Double) |
| **Cross References:** | Use Cases: Pay bill |
| **Preconditions:** | There is a payment process underway |
| **Postconditions:** | * A payBill instance was created. (Instance creation) * payBill was associated with the current customerRecord (id). (Association formed) * payBill was associated with an balance, based on a match. (Association formed) |

*Use Case 2: Book appointment*

**Miroslav Tadej**

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| --- | --- |
| Operation Contract for “bookAppointment ()” | |
| **Operation:** | bookAppointment (appointment: date, time) |
| **Cross References:** | Use Cases: Book appointment |
| **Preconditions:** | There is an appointment booking underway |
| **Postconditions:** | * An appointment was created. (Instance creation) * bookAppointment was associated with the customerRecord (id). (Association formed) * bookAppointment was associated with an appointment (date, time), based on match. (Association formed) |

Exercise 6 - **Communication Diagram**

*Use Case 1: Pay bill*

**Denis Murray**

*Use Case 2: Book appointment*

**Miroslav Tadej**