UML Model
for a music festival

Team 1:
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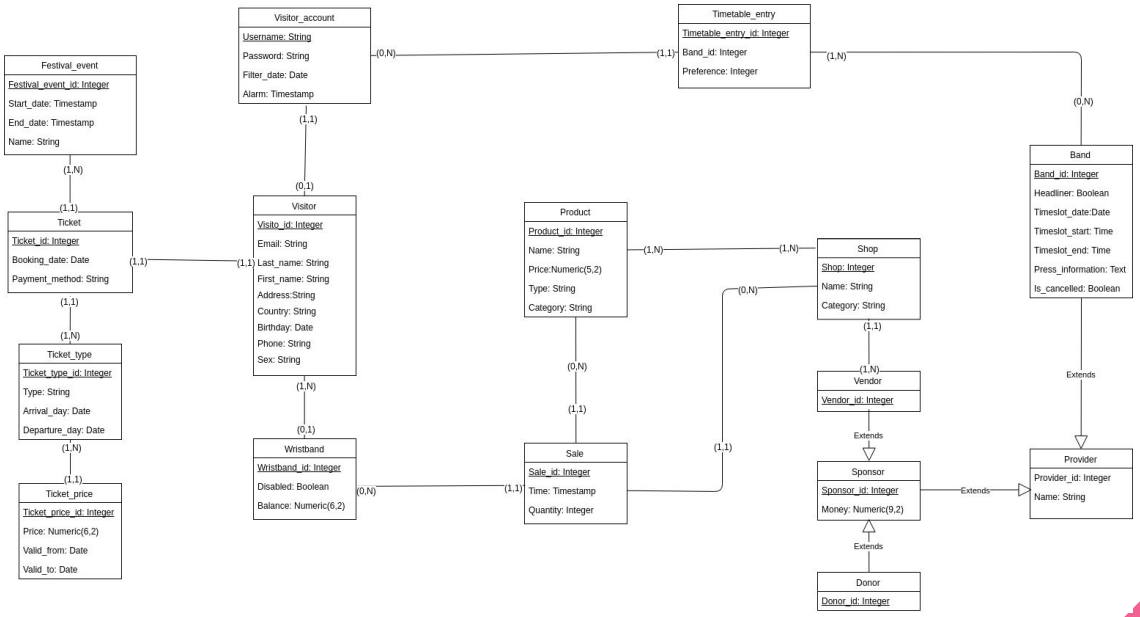
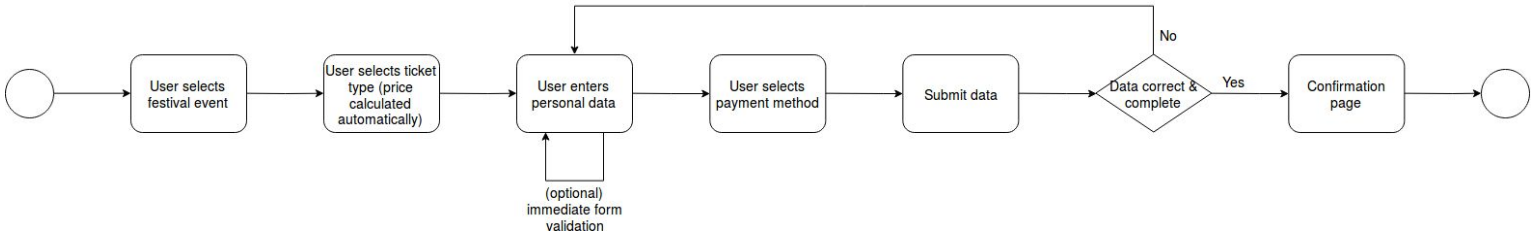
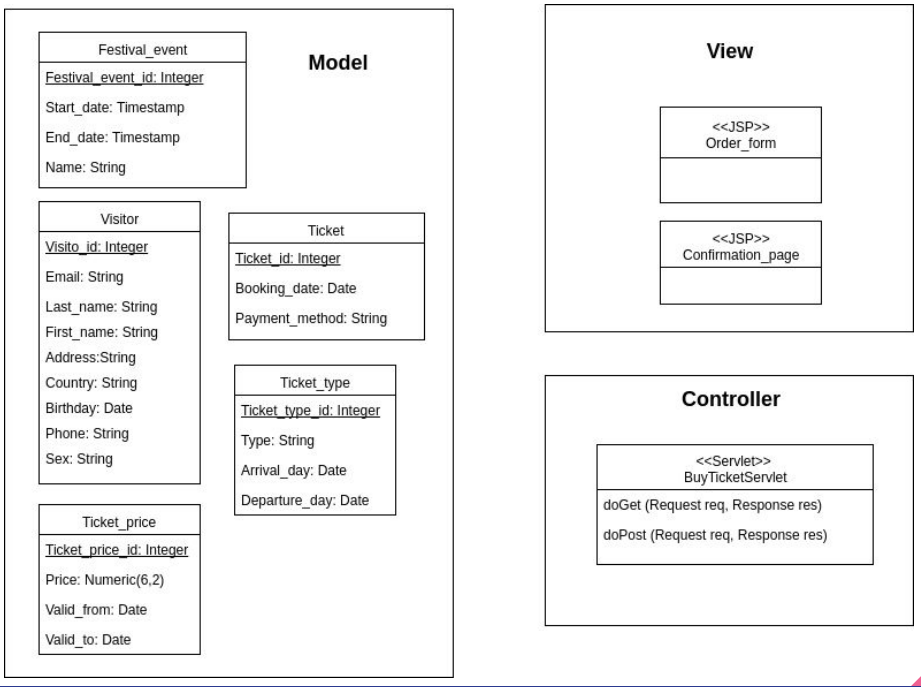
UML Model



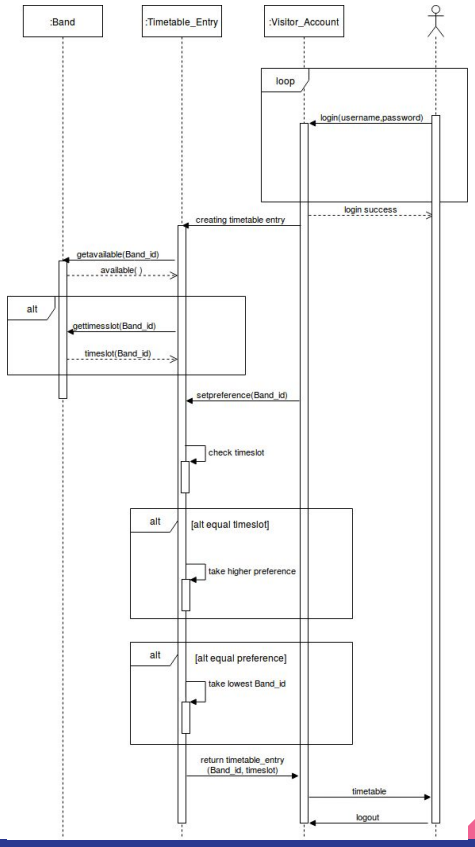
Workflow - Visitor buys ticket



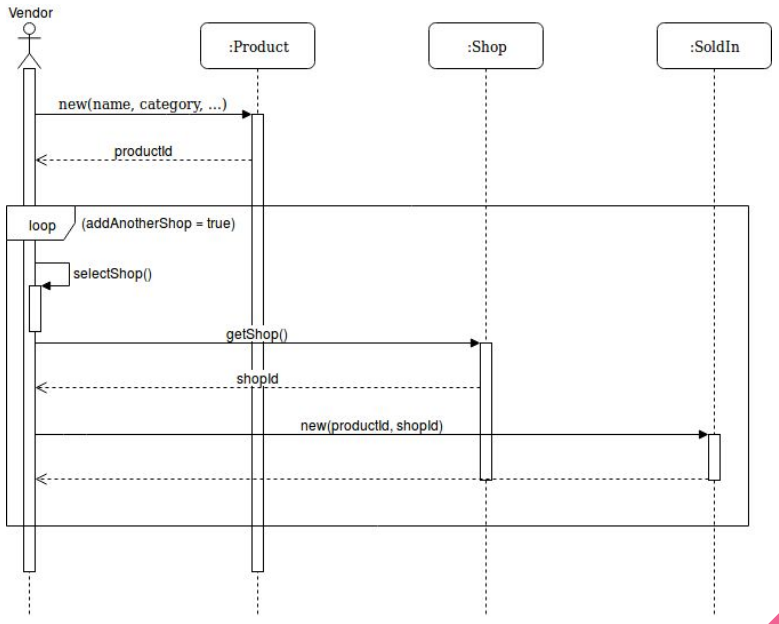
Model View Controller



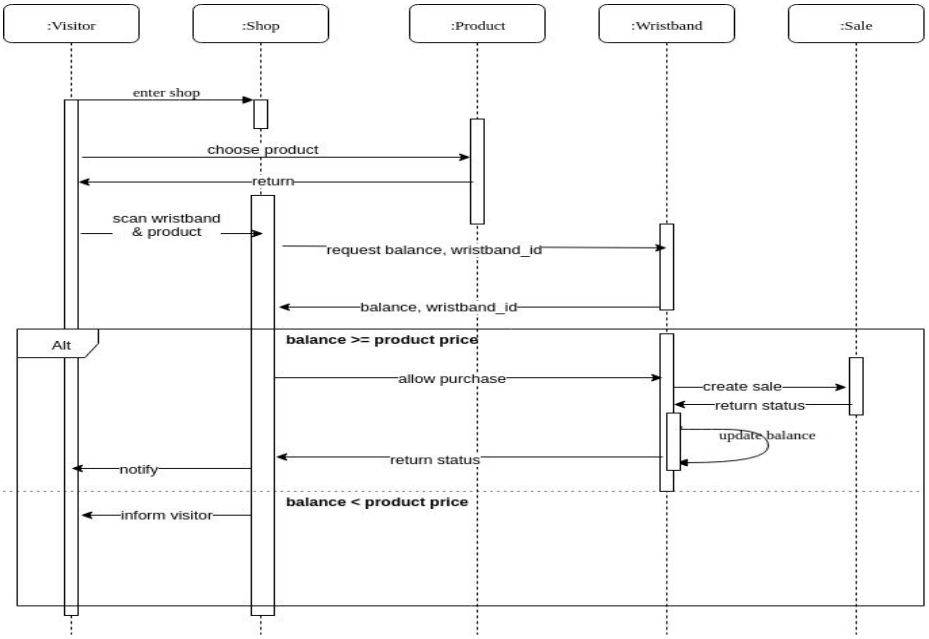
Sequence Diagram 1
Creating a timetable



Sequence Diagram 2 - New product offer



Sequence Diagram 3 - Buying a product



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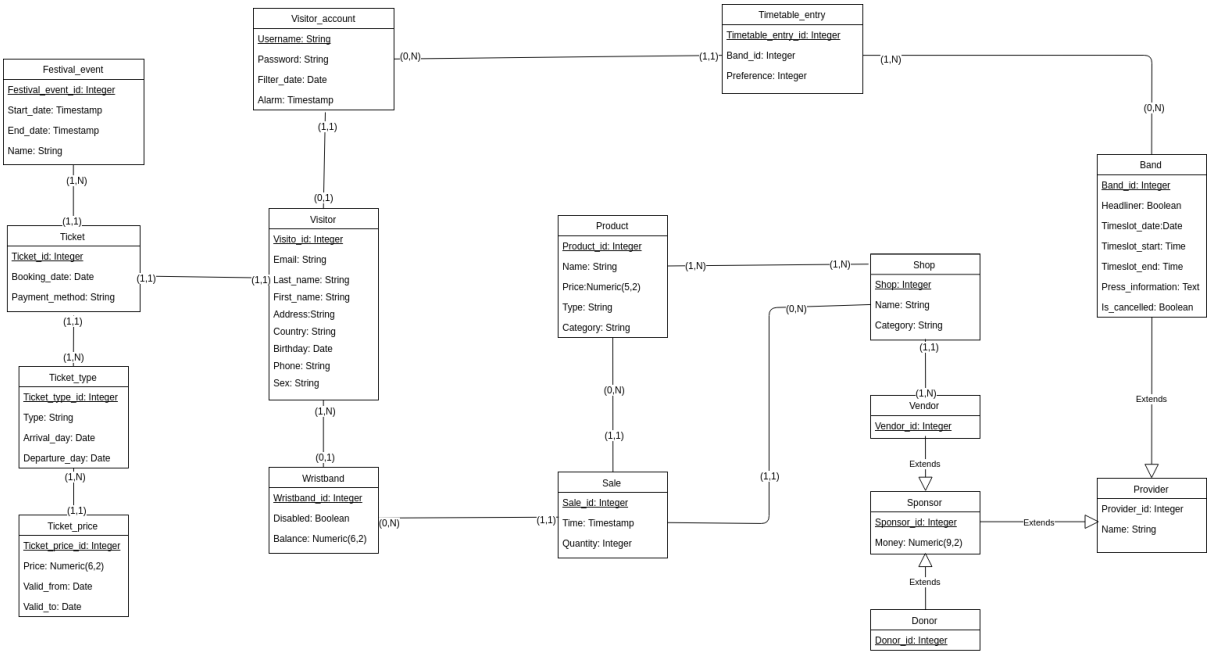
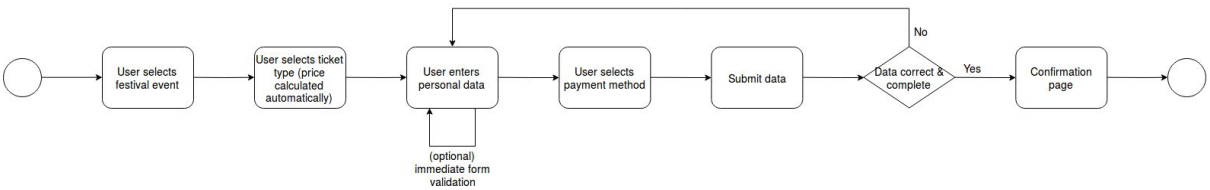
UML Colloquium

1. UML Model



2. Workflow + Description

The following workflow represents the process of buying a ticket online for a festival on the management system. To buy the ticket, the visitor has to fill in one form with all the data which contains all mandatory information so that a ticket can be given to him.
The customer first selects for which festival event he wants to buy the ticket and then selects the type of ticket. Both actions should be done with a dropdown menu. The price for the ticket will be automatically calculated based on the current date.
After selecting festival event and ticket type, the visitor enters all his personal data (name, email, phone, ..) and selects the payment method (another dropdown). When the form is filled completely, the visitor clicks a button to submit the purchase. If the order was successful, he is redirected to another page, where the order is confirmed and all information is summarized.



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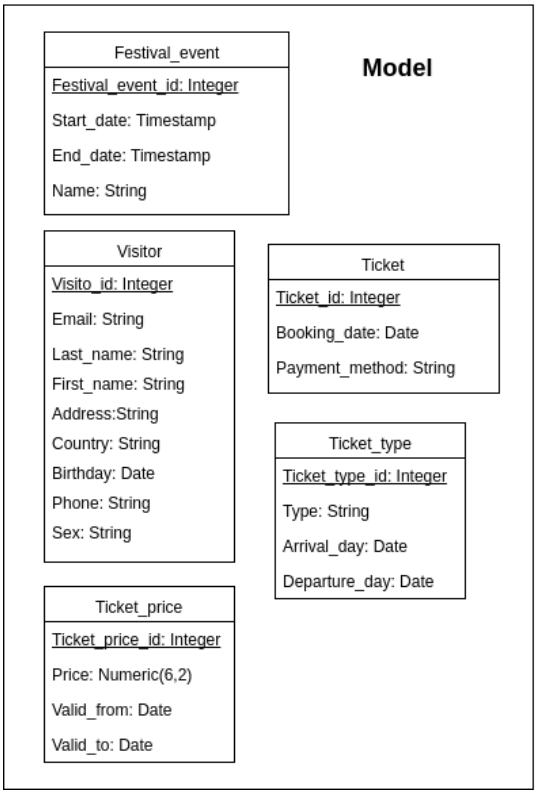
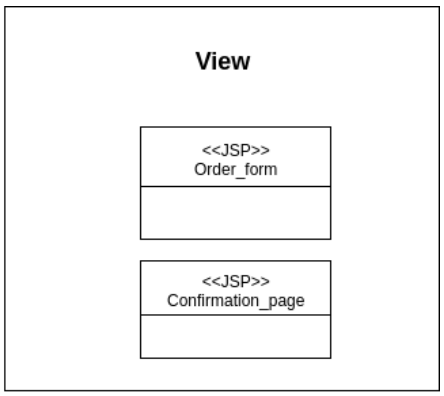
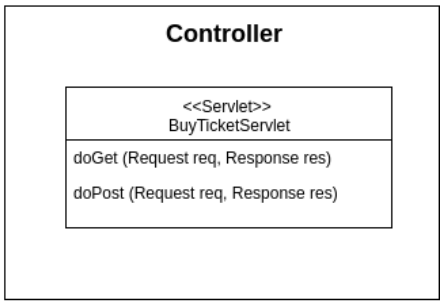
For handling and storing all the information during that process, we have five beans objects which are handed over to the views: festival_event, visitor, ticket, ticket_type, ticket_price.
The controller only contains of one Servlet, the buyTicketServlet, which is implementing methods for a get and a post request.
When the form for purchasing the ticket is loaded, a get request is made. Clicking the submit button on the page, a post request is made, which contains all the data entered by the user, and finally the user is redirected to the confirmation page.
The request takes the following parameters: festival_event_id, ticket_type_id, email, last_name, first_name, address, country, birthdate, (phone), sex, payment method.
For these two different pages, there are two views, one view for the order form, and as already mentioned, one for the confirmation page.







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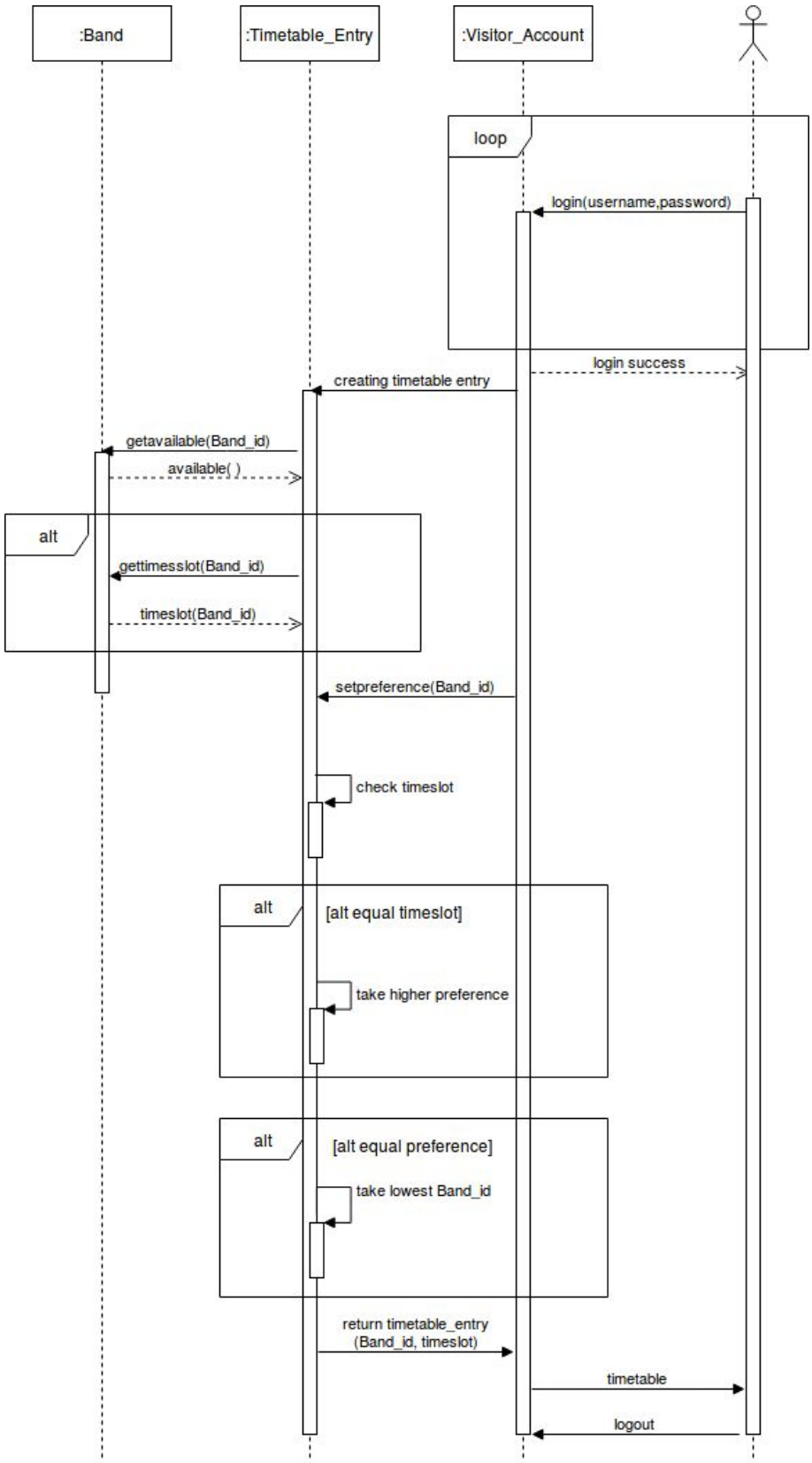
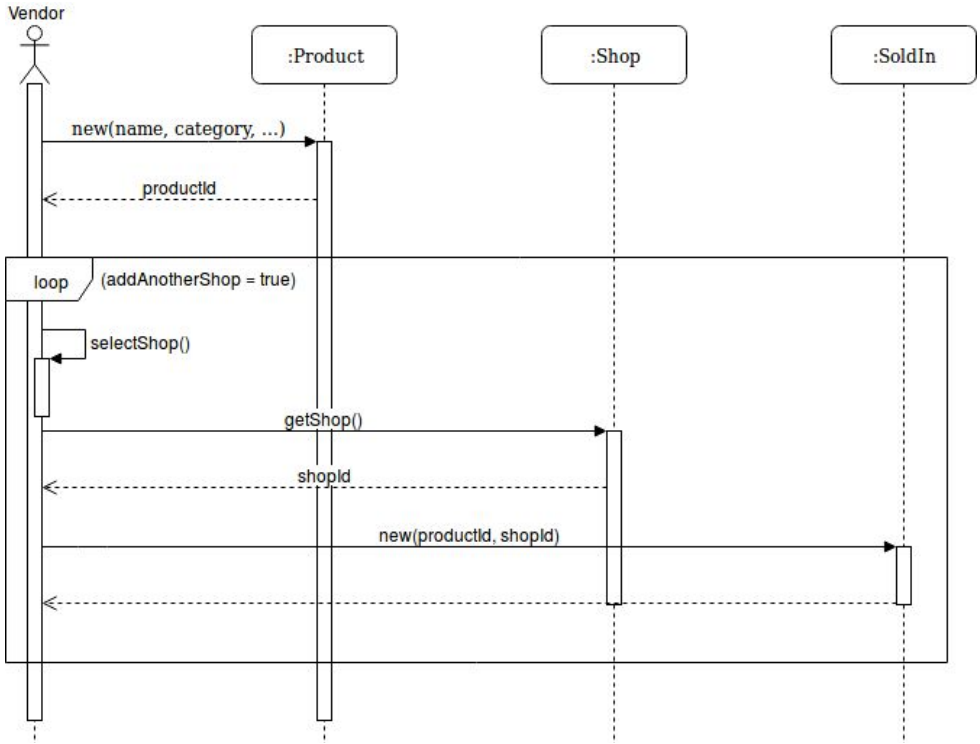
3. Sequence diagrams

3.1. Sequence Diagram 1 - Creating a timetable



3.2. Sequence Diagram 2 - New product offer



3.3. Sequence Diagram 3