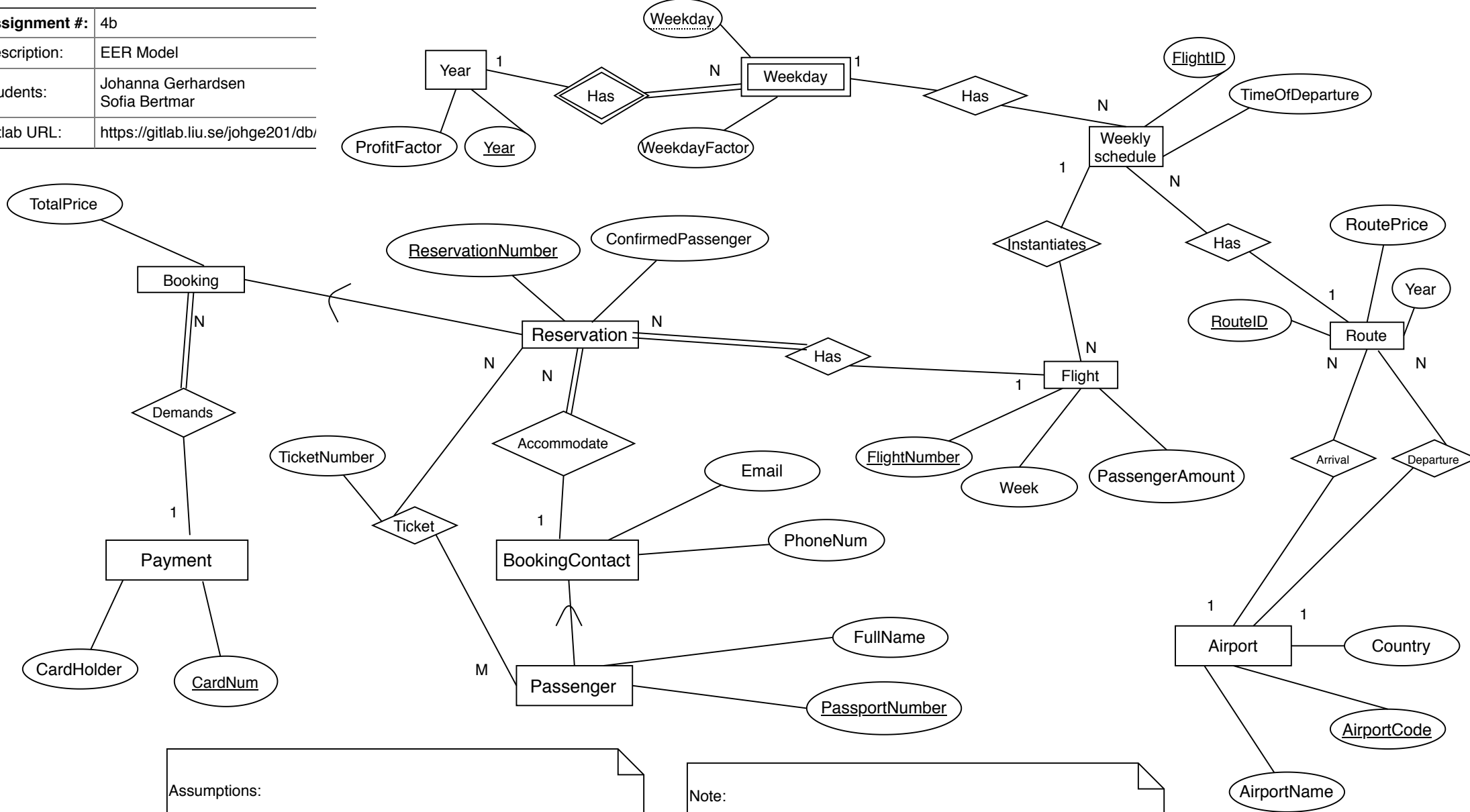




| | |
|---------------|---|
| Assignment #: | 4b |
| Description: | EER Model |
| Students: | Johanna Gerhardsen Sofia Bertmar |
| Gitlab URL: | https://gitlab.liu.se/johge201/db/ |



Assumptions:

1. In order to make a Reservation and therefore a Booking you need a Booking contact, which is a passenger.
2. You reserve a flight, not a route.
3. Anyone can pay the booking, it doesn't need to be a passenger.
4. A route has arrival and departure to different airports.
- 5.

Other comments...

Note:

1. This template contains two pages (EER Model, Relational Model, see the bottom of the editor window).
2. Fit each diagram on one page, preserve the page size.
3. Fill out the header at the top left corner on both pages.
4. Keep the diagrams clean, i.e. shapes and lines should not overlap, maintain optimal distance between the objects, etc.
5. Save a working copy as an XML .drawio file to be able to correct the diagrams in the future.
6. To submit the diagrams, they must be exported and uploaded to Gitlab as a PDF file (File->Export as->PDF->All pages).

| | |
|-----------------|---|
| Assignment #: | 4b |
| Description: | Relational Model |
| Students: | Sofia Bertmar Johanna Gerhardsen |
| Repository URL: | https://gitlab.liu.se/johge201/db/-/tree/master/lab4 |

| Year | |
|-------------|--------------|
| <u>Year</u> | ProfitFactor |

| Weekday | | |
|----------------|---------------|------|
| <u>Weekday</u> | WeekdayFactor | Year |

| WeeklySchedule | | | | |
|-----------------|-----------------|---------|------|---------|
| <u>FlightID</u> | TimeOfDeparture | RouteID | Year | Weekday |

| Flight | | | |
|---------------------|------|-----------------|----------|
| <u>FlightNumber</u> | Week | PassengerAmount | FlightID |

| Reservation | | | |
|--------------------------|-------------------|----------------|--------------|
| <u>ReservationNumber</u> | ConfirmedPassenge | PassportNumber | FlightNumber |

| Route | | | | | |
|----------------|------------|-------------|------|---------|-----------|
| <u>RouteID</u> | RoutePrice | AirportCode | Year | Arrival | Departure |

| Airport | | |
|--------------------|---------|-------------|
| <u>AirportCode</u> | Country | AirportName |

| Booking | | |
|--------------------------|------------|---------|
| <u>ReservationNumber</u> | TotalPrice | CardNum |

| BookingContact | | |
|-----------------------|-------|----------|
| <u>PassportNumber</u> | Email | PhoneNum |

| Passenger | |
|-----------------------|----------|
| <u>PassportNumber</u> | FullName |

| Payment | | |
|----------------|------------|-------------------|
| <u>CardNum</u> | CardHolder | ReservationNumber |

| Ticket | | |
|--------------|--------------------------|-----------------------|
| TicketNumber | <u>ReservationNumber</u> | <u>PassportNumber</u> |