Exercise 1 (ER diagrams).

a) First recapitulate the Entity Relationship Model by considering the following ER diagram:

```
Station  lies_in  City
```

What are entities, attributes, relationships, functionalities, ... ?

b) Now extend the ER diagram above about train stations located in cities with additional entity types and relationships. Assign for each relationship a reasonable functionality and a corresponding (min,max)-notation. Be creative! ;-) 

c) Think about another real world topic and construct an ER diagram for it! Try to use each relationship type at least once. Again, assign for each relationship a reasonable functionality and a corresponding (min,max)-notation.