

02 Identifying Classes

Goal: You know the methods how to identify potential classes. You can apply this method for a specific example and create CRC cards.

From Analysis to Design

Use Cases and activity diagrams focus on how the user interacts with a system. We will look at this in a later stage.

Here we want to focus on creating class diagrams. In order to that, we have to read the system description carefully.

Verb / Noun Method

A fairly simple way to do an initial analysis of possible classes is with the verb / noun method.

This method is all about identifying classes and objects, and the associations and interactions between them. The nouns in a human language describe “things”, such as people, buildings, etc. The verbs describe “actions” such as writing, eating, etc. From these concepts we can see that in a description of a system, the nouns will often correspond to classes and objects, whereas the verbs will correspond to the things those objects do – that is, methods.

Step 1: list down all nouns

Like in a brainstorming session, read the description, then list down all nouns. All nouns are noted down as possible candidates, nothing is ignored.

Step 2: list down all verbs

Verbs are potential methods for classes.

