# Task #6: Cache Proxy (Homework)

- Problem Statement:
  Implement a cache proxy for internet resources, i.e. a set of Java classes that download and cache internet resources like images or other files. The input is a string indicating the URL of the file (e.g. http://www1.in.tum.de/static/lehrstuhl/images/people/Bernd%20Bruegge.jpg). Your solution should incorporate some kind of caching mechanism, i.e. store a downloaded resource locally and do not download it again when it is requested another time.

- Hint: Divide the caching and downloading functionality and implement them in two separate classes.

- Use the proxy pattern

- Draw a UML diagram of your classes

- Implement your UML diagram

- Upload your solution in Moodle