



## *Assignment 4*

### **Research Assignment** **Spring 2016 (2-94-95)**

The research assignment is an important part of the PSE course. The list of research topics is given below. Please take note of the following instructions first:

- You should email me your topics of choice – as a prioritized list of **three** topics – **by Saturday 12 Tir**.
- Each of the topics is intended for one student.
- If you'd prefer to work on a topic other than those listed below, you can include it on your list of selected topics; if the title of your proposed topic is not expressive enough, a proper explanation of the topic should also be provided.

The topics will be assigned to individuals/teams **by Monday 14 Tir**. A research starter package for each of the topics has been made available on the course webpage (on CE); each package contains several resources that are intended to start you off on your research. Please note that you may not need to use all of these resources; on the other hand, you will definitely need to complement them with other resources: You should study the list of references at the end of each resource for other potential resources.

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1. Design Pattern Mining: Survey and Analysis
2. Modern Analysis Patterns: Survey and Analysis
3. Patterns for Mobile Systems and Applications: Survey and Analysis
4. Testing Patterns: Survey and Analysis
5. Web Design Patterns: Survey and Analysis
6. Patterns for Cloud Computing: Survey and Analysis
7. Service-Oriented Patterns: Survey and Analysis