

The SoFas - Software Factories

- Introduction -



The Main Idea

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A Software Factory is a project

- With a ***client driven process***
- Providing ***continuity***
- Giving a chance to ***student driven coaching***
- And, thus, ***separating coaching and assessment.***

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- Project Manager
 - Quality Manager
 - Configuration Manager
 - More roles may be defined in a SoFa
- Client
 - SoFa Board
 - SoFa Coach
 - Assessors
 - Experts

Minimum Standards at work

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- Group process standards
 - Meeting and protocols
 - Behavior

- Quality standards
 - Testing of applicable
 - Reviewing if testing is not applicable

- Configuration standards
 - Availability
 - reproduceability

Student Driven Coaching – Main Idea

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After 2,5 years of study, a student is able

- to set ***motivating learning goals him-/herself***
- to ***learn autonomously***, that is looking for knowledge himself, finding ways of application himself and pacing according to circumstances.

Tasks of teaching staff is

- to ***coach*** the learning process
- to ***assess*** whether the goals have been reached.

The task of the teaching staff is ***NOT***

- to feed the student with knowledge

Student Driven Coaching – Process

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1. Analysis which competences on which niveau you already have
2. Set your competence goals for this SoFa-semester
3. Define how you want to reach the goals
4. Do learn
5. Do learn
6. Provide evidence for having reached your goals
7. Undergo an assessment to prove

Phase	External Milestone		Responsible	Checked by	Due Date
	Nr.	Deliverables			
Setting Up the Frame	EM-01	·Introduction of SoFas	SoFa Board		Week 1
	EM-02	·Appl. for ProjMgm.	Student	SoFa Board	Week 1 day after intro, 12:00
	EM-03	Assignment of ·SoFa teams ·SoFa ProjMger ·SoFa coaches	SoFa Board		Week 1 End of week
Getting Started	EM-04	·Constitutional Meeting	SoFa	SoFa Coach	Week 2
	EM-05	·First Client Meeting	SoFa PM, Client	SoFa Coach	Week 2 - 3
	EM-06	·Project Plan ·Requirements Spec ·Individual Goals	SoFa SoFa Student	SoFa Coach	Week 3
Getting the Work done	EM-07	·Inter team review of Req. Spec and of Project Plan	SoFa	SoFa Board	Week 4
	EM-08	·Revised Project Plan ·Revised Req. Spec ·Quality Plan ·Configuration Plan	SoFa	SoFa Coach	Week 5
Evaluation	EM-09	·Product Presentation ·Product & Process Assessment	All	Client SoFa Coach	First Week after End of Lecture Phase
	EM-10	·Student Assessment	All	SoFa Board	End of Semester

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Assessment is about showing and *proving* that you gained or improved your skills in applying your knowledge, in short : competences

- Hand in your part of the project product on a deadline before the assessment. This would mainly be documentation (e.g. plan, analysis report, research report, design, testplan, all kinds of implementation artifacts). Timesheets are very welcome here.
- Add a reading guide to that. This on page ... shows that I
- You might want to start your assessment with a short presentation. This keeps the initiative to you, although the assessors may overrule this. Come to an agreement with your tutor on that.

Assessment II

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Assessor activity:

- In preparation on the assessment the assessor study the material, guided by your reading guide.
- They will derive questions. If you think of it: some of those questions might be obvious. So you might be able to think about them yourselves, say so and show your answer.
- They will also see errors, failures etc in your material (if they are present). Those will make it hard for you to prove that you are competent.
- The assessors will also have access to your dossier, for instance what you did well or not so well in your practical semesters.

The golden Tips

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General tips for your defence:

- do with your personal documents what you should do with the groups documents: review them with your buddies.
- If that service is returned in some way, you all learn more which what it is all about.
- Especially worthwhile is showing that you know your deficiencies and worked on them.

House rules.

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Availability of Tutors.

- Do not expect that the tutor will be available at any moment. He or she will not automatically visit the team meetings. Only if the subjects demand it or the client is present.
- The tutor will not be available outside the timetable hours unless on request.
- The amount of time a Tutor can spend is approx 20 hours per sofa, all members. So be time-efficient.
- You may consult other teachers for their expertise. Not for coaching (although they are free to give advice). But this of course depends on the experts schedule. Just try.

Take a seat. The result is up to you.



Questions?

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