ASSIGNMENTS WEEK 1

1. CUSTOMIZING RUP (50 PT)

This assignment will get you familiar with RUP and the possibility to customize it for your own projects. RUP is as heavyweight as you decide it to be!

a) Describe in a few lines what the most important differences and similarities are between RUP, XP and the waterfall-approach.

b) Create your own compact software process aimed at a student project with a size of about 3 weeks and 4 students. Describe:
- The roles which your process contains
- The disciplines which your process contains (if you decide to leave certain disciplines out then explain why)
- The artifacts that each discipline should produce. Again give your argumentation ('rationale'). Why do you choose these artifacts?

2. TESTIING (50 PT)

Which artifacts does RUP define concerning testing? Describe what each does in a few sentences and what the relationships are between them. At which point in time are the artifacts produced?

ASSIGNMENTS WEEK 2

1. WRITING A SOFTWARE DEVELOPMENT PLAN (60 PT)

The point of this exercise is to learn how to write a to-the-point Software Development Plan (SDP). Many students find it difficult to write a SDP that is useful yet concise. Templates can offer you useful checklists for important topics to include in the plan. But of course a plan for a small project doesn't have to be as big as a plan for a complex megaproject.

Take a look at the template from Rup op Maat and consider how you could downsize it for a project of a couple of weeks with a couple of students. Read the assignment on the XChange project (see Blackboard). Write a concise SDP for this project. What are the essential ingredients that you really need to include?

2. SPECIFY REQUIREMENTS (40 PT)

The purpose of this assignment is to gain insight into the difference between good and bad requirement specifications. This topic has been covered at the lecture.

Specify at least 10 requirements that you find relevant for the router application of the XChange project. Ensure that you have at least two requirements of every type (functional, non-functional, constraint). Fill in the following fields for every requirement (also presented in the lecture).

Item	Toelichting
nummer	uniek id
omschrijving	de tekst
versie	versie nummer van deze requirement
relatie met	heeft relatie met welke andere requirements ?
use case	hoort bij welke use case ?
type	- Functioneel - Niet-functioneel - Beperking
prioriteit	bijvoorbeeld : high, medium , low bijvoorbeeld : must have, should have, nice to have
motivatie	waarom deze requirement ?
bron	afkomstig van welke stakeholder ?
test criteria	meetbaar/testbaar criterium waarmee kan worden getest of de oplossing voldoet aan deze requirement
referentie	verwijzing naar ondersteunende documentatie
opmerkingen	vrije tekst