



Seminar Objectives:

Levels of testing: integration testing.

Exploratory testing

Topics (Lecture 3 and Lecture 6)

- Levels of testing, The Testing Pyramid, Design for Testability, Best practices in test code
 - Integration and System Testing
 - Stub/Driver; Mock objects
 - Interface Errors: Read about them in Naik – pp. 159-162,
 - Examples: Misuse of Interface, Misunderstanding of Interface
 - Big-Bang integration, Incremental integration, Sandwich integration
- Exploratory testing:
 - Session Based Test Management

Assignment 1 – 50 minutes

- **Integration testing: studying, (re)learning**
- **Creating artifact (poster, video, summary/essay, flashcards) about integration testing for a software system**
- **VARK learning**

Research Education Study

- **Participation is voluntary**
- **25 XP as bonus points for participation in the study: Assignment Bonus_Sem04_VARK**
- **Do the VARK test BEFORE SEMINAR 4 (<https://vark-learn.com/the-vark-questionnaire/>) and remember the numbers for each element of the VARK model (Visual, Auditory, Read, Kinesthetic). Turn in: values for VARK. The values will be fill into questionnaire VARK_Q0 BEFORE Seminar 4.**
- Please complete the questionnaire in the link <https://vark-learn.com/the-vark-questionnaire/> and add the results in this questionnaire.
 - Agreement signed by the student (before the seminar or after the seminar). Document is available in the Assignment **Bonus_Sem04_VARK**.
 - **Questionnaire VARK_Q0 to be fill in BEFORE the seminar.**
 - Questionnaire VARK_Q1 to be fill in during the seminar (before the learning activity)
 - Questionnaire VARK_Q2 to be fill in during the seminar (after the learning activity)
 - Questionnaire VARK_Q3 to be fill in during the seminar (about the learning activity)
- **The order of submitting the information is IMPORTANT! Each group should fill in the questionnaires when participating in the class at the specific seminar!**

Assignment 2 – 50 minutes

- **Exploratory testing**
- **Experiential learning**
- **Personality traits**

Research Education Study

- **Participation is voluntary**
- **25 XP as bonus points for participation in the study: Assignment Bonus_Sem4_ET_and_EL_and_PT**
- **Do the Personality traits test BEFORE SEMINAR 4 (<https://www.truity.com/test/big-five-personality-test>) and remember the % you received for each element of the OCEAN (Openness, Conscientiousness, Extraversion, Agreeableness, Neuroticism). Turn in: Percentages for OCEAN. The percentages will be fill into questionnaire BEFORE Seminar 4.**
 - Agreement signed by the student (before the seminar or after the seminar). Document is available in the Assignment **Bonus_Sem04_ET_EL_PT**.
 - **Questionnaire ET_EL_PT_Q0 to be fill in BEFORE the seminar.**
 - 20 minutes - Exploratory testing (Concrete experience)
 - 15 min: 5 min ReflectiveObs+5 min AbstractConcept+5 min Active experimentation
 - Questionnaire ET_EL_PT_Q1 on Exploratory testing and Experiential Learning: to be fill in during seminar (about the learning activity).
- **The order of submitting the information is IMPORTANT! Each group should fill in the questionnaires when participating in the class at the specific seminar!**

