Hands-on Exercise & Exam

Time: 90 minutes. You are allowed to use any material, and any Internet resource.

EXERCISE 3 (OWL)

Create an OWL2 ontology that describe vacation spots and activities, according to the information you reported in the "course participants data" (*the vacation of your dreams*). In particular:

- To build the ontology, follow the process illustrated in classroom (*Ontology 101*) and use Protégé 5.x as the editor
- You can skip the step 2 of the process (i.e., reuse of existing ontologies)
- The domain of the ontology is "vacation spots"; you may want to cover the possible activities to carry on in those places
- The ontology must comprise classes, properties, and restrictions
- The ontology must also include instances that represent the vacation spots and the activities you reported as "vacation of your dreams"
- The resulting ontology must be consistent and present no errors
  - o check for errors and inconsistencies with the HermiT reasoner, in Protégé
- You should submit the OWL file, only.

SUBMISSION INSTRUCTIONS

- Name the OWL file as follows: *Lastname_Firstname*_ex3.owl (example: Corno_Fulvio_ex3.owl)
- Upload the resulting file to OwnCloud, at the following URL: https://baltea.polito.it/owncloud/index.php/s/iF2BRhzYSScKtly