**Title:** Mapping OWL-S Process to a Classical BPEL

**Description:**
OWL-S (Web Ontology Language) is ontology to describe Web services with rich semantics. Basically, OWL-S ontology consists of three main components: the service profile, the process model and the grounding. In the previous research work, mapping BPEL (Business Process Execution Language) to OWL-S has been testified successfully by the related tools. While BPEL has been one of the most popular business process development languages, we also believe that the OWL-S is able to facilitate dynamic composition of Web services because of its semantics expression power, and it would be feasible to enhance the capability of BPEL by incorporating semantics into BPEL. In this small project, the student is to explore the feasibility of converting ontology-oriented business process to classical BPEL counterpart to enable a service oriented business process enactment solution.

**Expected Outcome:**
A novel strategy for mapping OWL-S process to BPEL and the demonstration of implementation will be deliverables.

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