VILNIUS UNIVERSITY
ŠIAULIAI ACADEMY

BACHELOR PROGRAMME SOFTWARE ENGINEERING

Software Design lab work No. 2

Group members: Daniil Arbatov, Hanna Asiadouskaya, Ivan Kapusta, Artem Shymko

Leacture: Vaidas Giedrimas

Šiauliai, 2024

Based on the deployment diagram our model tends to form above-average cohesion, since the elements in the module are not connecting to the other modules on their own, but inside working through module structure. For example, payment history and website catalogue won't work on their own, without database server. The payment interface works together with the web page and communicate with other modules through web server. Cohesion between those elements are functional, because all of them are narrow-purposed and are strictly following their goal.

Content coupling can be observed in relations between the Webpage and Catalogue, where one can not exist without other. The work of webpage relies on internal workings of Catalogue.

Data coupling and message coupling are present in other connections between instances, because they are mainly communicating through requests of data from each other and the message passing. The structure of the project involves mostly one-way passing of data, so other coupling methods are not necessary.