

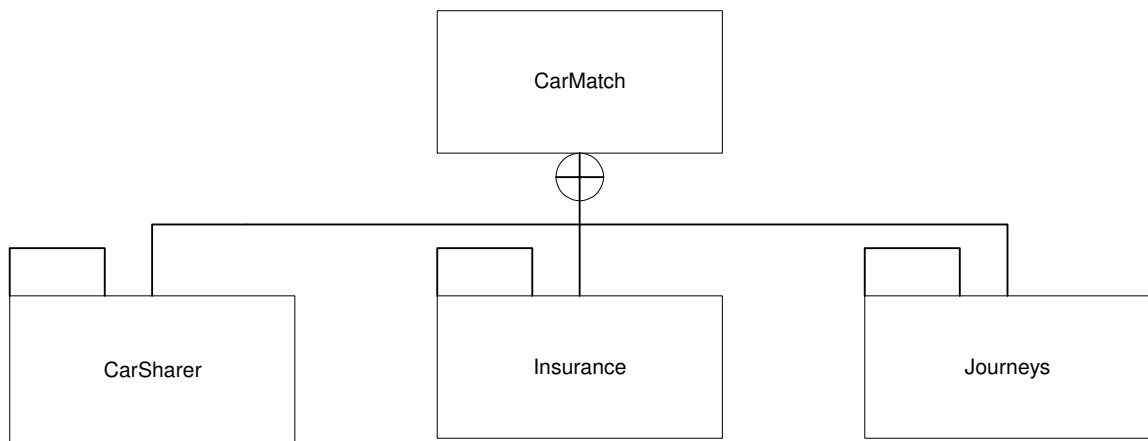
LAB # 3

Model Management in UML

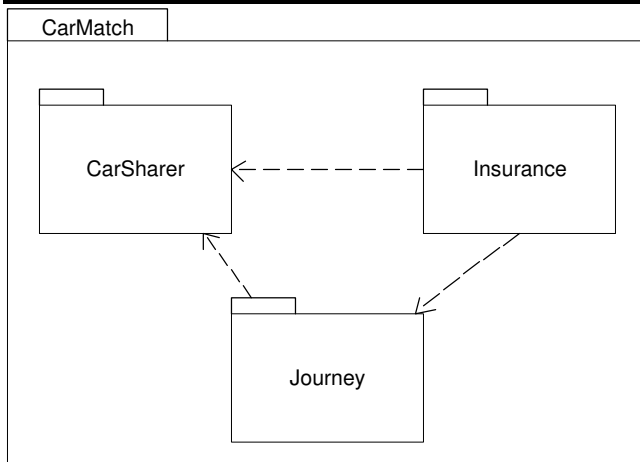
➤ Packages

UML itself is organized into *packages*. Each packet contains model elements and some contain the diagram that make up UML.

The *Kernel* package contains the metaclass **Package** that provides the mechanism for the organizations of models into packages. Packages can be used within a project to organize the different diagrams that are produced into coherent grouping.



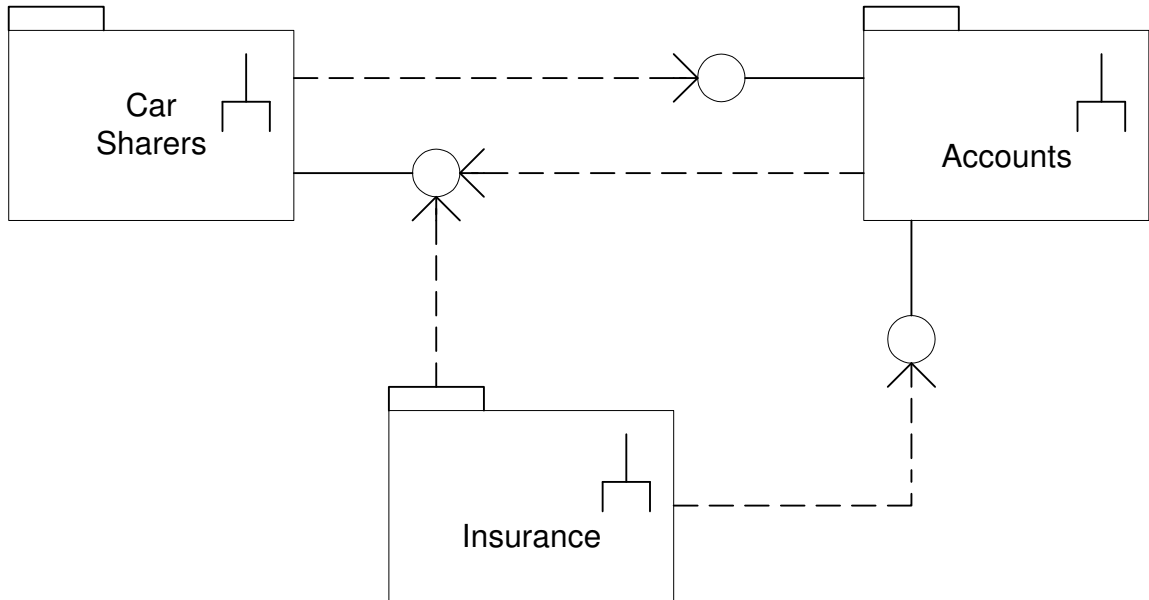
Tree Structured contained notation for packages in the CarMatch system



Alternative containment notation for packages in the CarMatch system

➤ Subsystems

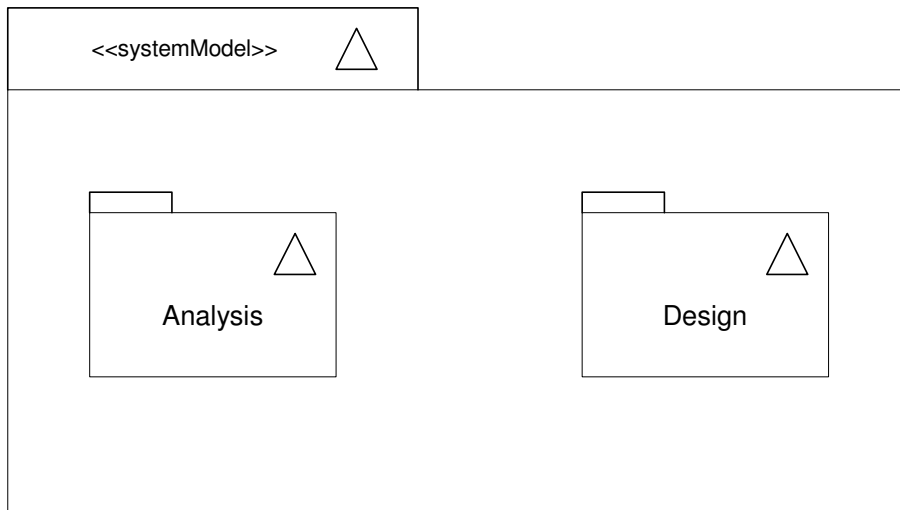
Subsystems represent units of the physical system that can be organized in stereotyped packages as in the following figure. They are stereotyped either with the fork symbol shown or with the stereotype `<<subsystem>>`



Example subsystem for the CarMatch case study

➤ **Models**

Models are abstraction of physical system with a certain purpose. Typically models are used for the different stages in the development of the system. The topped model of the system can be stereotyped as `<<systemModel>>` and contain other model, as in the following figure. This also shows the use of small triangle as a stereotyped icon to distinguish models from packages and subsystems. The stereotyped `<<model>>` can also be used.



Lab Work and Assignment:

Q 2.12: (Chapter Number 2 Supplementary Problem)

