

Design Defects & Restructuring

Week 2: 02 Sep 22

Rahim Hasnani

Agenda

- ▶ Last Week Left Overs
 - ▶ Points Distribution
- ▶ Home works
- ▶ Any questions on last week
- ▶ OOA & D Exercise
- ▶ Cohesion & Coupling
- ▶ SOLID
- ▶ GOF Patterns - Introduction
- ▶ Expect an assignment today!

Exercise

- *GoldSoft has recently won a project for development of an inventory system. The inventory system is to be developed for a big distributor with over 1,000 products. The distributor has warehouses where products are stored. The distributor currently carries products of five principals (manufacturers) and this is likely to increase with time. [The main business of a distributor is to order and carry products from principals and distribute them to wholesalers]. The major transactions in the inventory system are 1) Receipt of products from principal 2) Distribution of products to wholesaler 3) Transfer of stock from one warehouse to another 4) Stock adjustment as a result of stock count. Each of these transactions involves a number of products in different quantities (i.e., a receipt usually involves tens or even hundreds of different products in different quantities). Products have different unit of measures (some products are distributed as individual units like keyboard, some are distributed in meters like network wire, some are distributed in Kgs like Sugar, etc).*

Cohesion & Coupling

- ▶ Please see the other ppt

SOLID Principles

- ▶ Please read about this...