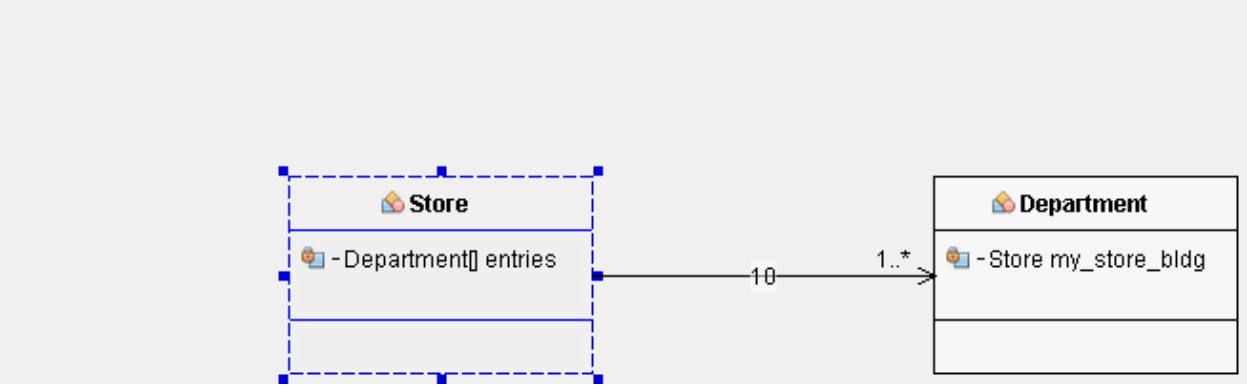
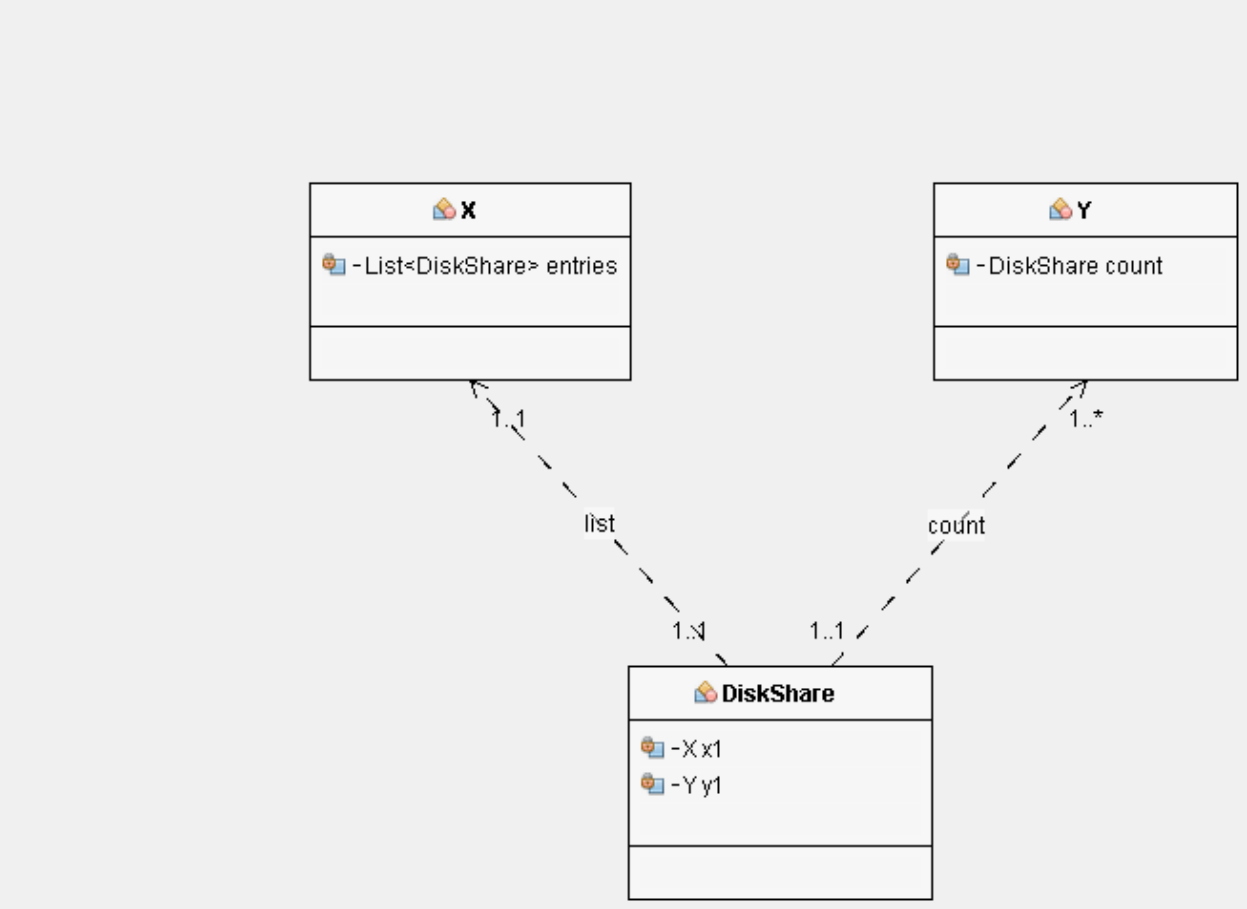
Emmanuel Armstrong
Software Engineering
Homework 1

Part A:

1.)



2.)



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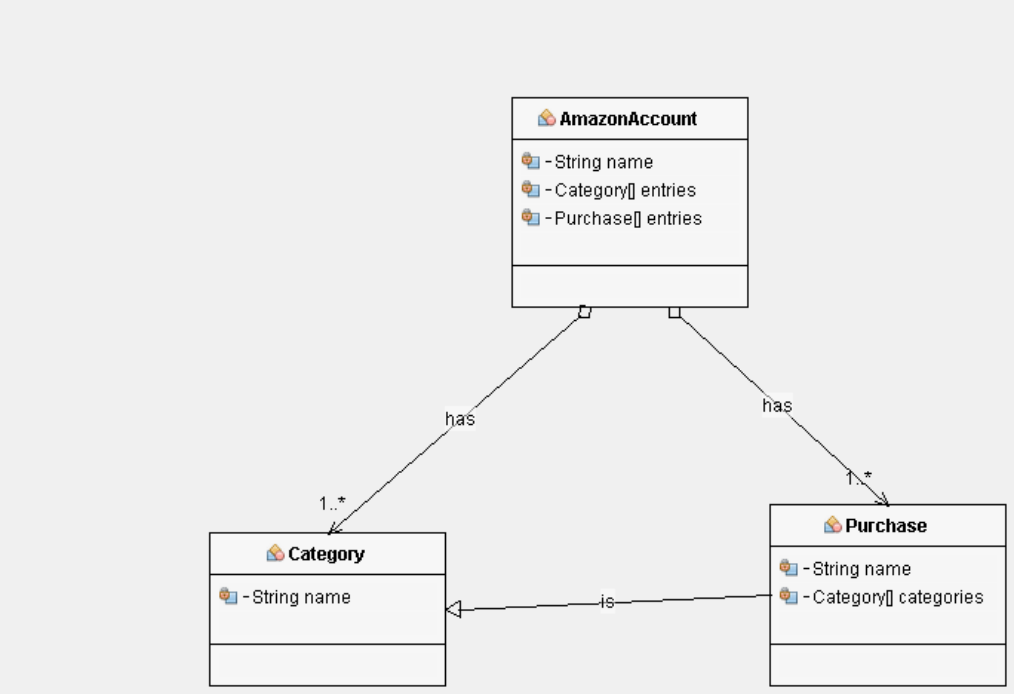
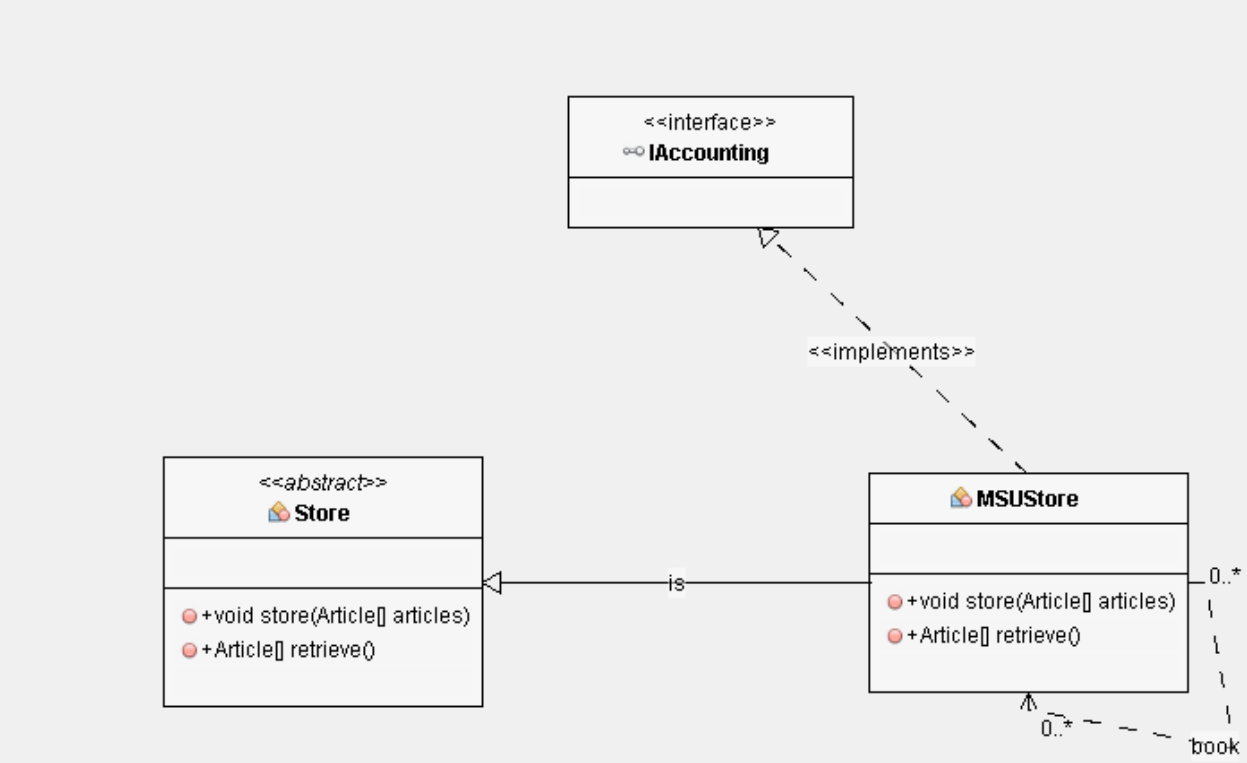
3.)



4.)



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Part B:

LifeCycle	**Properties**			**Type of project**
	Present	**Absent**	**N/A**	
Waterfall Model	A, SD, I, T,D, M	E, DS		A new application for a large company that is built on existing technology.
Iterative Model	SD, D, T, I	A, M, E, DS		This is best suited for a team that is working on a new or evolving technology. It helps them understand as they create.
Spiral Model	All			Best suited for high-risk problems, and problems where the consumer doesn't quite know what they want. That way the SEs can adapt to the change quickly with this method
V-Model	SD, T, D	A, I, M, E, DS		Best suited for Nondynamic and well understood requirements. This is used a lot in the medical field
Big Bang Model			All	Ideal for small team projects and/or ones with requirements that are not fully understood
Agile Model	A, T, SD, D, E		DS	No real planning, better used for projects that are growing or changing rapidly due to customer feedback
RAD Model	I, D,T		A,SD,M,E,DS	Best suited for problems that can be broken down on modules that can be worked on and then pieced back together
Software Prototype	T,D,E,I	SD,DS,	A,M	Best suited for applications that have a high level of user interaction, such as sites that need people to fill out forms and stuff like that

A = Analysis, SD= Software Design, I = Implementation, T = Testing, D = Deployment, M = Maintenance, E = Evaluation, DS = Disposal

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Part C: