

BDSA

EXERCISE 1

Assignment #35

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1 QUESTION 1-2

An advantage to using a programming language to define everything in the development process is that provides an easier transition from design, to actual implementation (if not eliminate the entire step between). It should also provide more consistency in the project, since everything is defined with the same terms.

A clear disadvantage would be that the development team is entirely limited to programmers, since programmers are mainly the only ones who could understand what exactly was going on. This prevents the team from actually using people with specific knowledge in designated areas, such as Human Computer Interaction experts, or visual design experts.

2 QUESTION 1-4

That knowledge acquisition is not sequential, means that a person does not absorb new information as it is piled on. A persons ability to learn varies, but it is mainly in a way where the person absorbs bits, and needs to keep refreshing what he/she has learned.

An example of this, is when a person understands a given problem and solution after haveing studied it several times. Although the person has been filled with the necessary information, he/she does not necessarily understand why things work out as they do. This should be a prime example of how knowledge is being acquired in parrallel. A specific example would be when a class is being taught in a new subject. Students who have studied ahead, should have and easier time grasping this new subject, than students who have not.

3 QUESTION 1-6

- “The TicketDistributor must enable a traveler to buy weekly passes.” Is a functional requirement, since it has to do with a function the system must support.
- “The TicketDistributor must be written in Java.” Is a non-functional requirement, since it has nothing to do with what the product should support.
- “The TicketDistributor must be easy to use.” Is also a non-functional requirement. It has to do with how the users interact with the system, but not what the system supports.
- “The TicketDistributor must always be available.” Is also a non-functional requirement. This also has to do with how users interact with the system.
- “The TicketDistributor must provide a phone number to call when it fails.” I am uncertain about this one. I would categorise it as a functional requirement, since it could technically be a feature of the system, but then again....

4 QUESTION 1-8

The two first sentences talk about an account as a bank account. The third sentence talks about a user account (application domain), and the last sentence again mentions accounts as bank accounts.