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Agile Values and Principles

TOTAL POINTS 4

1. What are some of the challenges with waterfall methods that prompted the software industry to come up with alternatives like agile? Select three.

1 / 1 point

☑ It is difficult to predict user/customer needs

> ✓ **Correct**
> True. One of the issues the software industry saw was that once a product was given to users after several years of development, users responded saying "This is not what i want".

☐ Projects cost too much

☑ Integration issues between different components of the software go undetected for a long time. During the testing phase, when all the components are integrated, these issues are discovered but it is very late in the process.

> ✓ **Correct**
> True. Sub-components of software are built in silos and are not integrated till the end. This causes late defect detection and costly changes in the end.

☑ Incorrect interpretations of requirements by developers go undetected for a long time. During user acceptance tests, these issues are discovered but it is very late.

> ✓ **Correct**
> True. Since waterfall methods has no way to get early feedback from users, the issues go undetected for long time.

☐ Projects were very complex and big

2. What are the four values of the Agile Manifesto?

1 / 1 point

☐ Planning Properly Over Just Executing

☑ Responding to Change Over Following a plan

> ✓ **Correct**
> True. http://agilemanifesto.org/

☑ Working Software over comprehensive documentation

> ✓ **Correct**
> True. http://agilemanifesto.org/

☑ Customer Collaboration Over Contract Negotiation

> ✓ **Correct**
> True. http://agilemanifesto.org/

☑ People and Interaction Over Processes and tools

> ✓ **Correct**
> True. http://agilemanifesto.org/

3. Which **Agile Value** does the following principle align with:

1 / 1 point

"Build projects around motivated individuals, give them the environment and support they need and trust them to get the job done."

⦿ Individuals and Interaction Over Process and Tools

◯ Respond to Change Over Following a plan

◯ Customer collaboration over contract negotiation

◯ Working software over comprehensive documentation

> ✓ **Correct**
> It is related to investing in people

4. Which of the following align with the agile principle:

1 / 1 point

"Business people and developers work together daily throughout the project."

⦿ Since agile methodologies do not recommend writing all detailed requirements upfront, it is really important to support greater collaboration between business people and developers so that they can build a shared understanding of what needs to be built.

◯ Business people and developers MUST meet face-to-face daily to clarify confusions, questions etc.

◯ Business people also need to code together with developers to make faster progress.

> ✓ **Correct**
> True. Agile methodologies attempt to "[maximize] the amount work not done" and "respond to change" by

only writing down what they needs to satisfy the requirements they will be working on in the near-term. Thus, agile teams depend on the business people (e.g., marketing and sales) to communicate customer needs.