## **Multiple-Choice Questions**:

- 1. Which of the following should a user story <u>not</u> do?
  - a. Describe one thing the software needs to do for the customer
  - b. Be short
  - c. Discuss specific technologies
  - d. Be written using language the customer understands
  - e. None of the above
- 2. According to the INVEST mnemonic, which of the following is a good quality of a user story?
  - a. USs are independent of one another
  - b. USs have value to the customer
  - c. USs are generally small
  - d. All of the above
  - e. None of the above
- 3. Which of the following things is <u>wrong</u> with this user story?

The system should be built using the Meteor platform for making web and mobile apps in JavaScript.

- a. Difficult to estimate
- b. Describes implementation technologies
- c. Uses technical jargon that the customer may not understand
- d. All of the above
- e. None of the above

- 4. Which one of the following user stories follows the template described in class?
  - a. Taxpayers hate math and want someone else to calculate their tax liability.
  - b. A button should calculate the taxpayer's liability when pressed.
  - c. As a taxpayer, I want to have my tax liability automatically calculated for me, because it is tedious and error-prone to calculate by hand.
  - d. Tax liability is calculated automatically for the taxpayer.
  - e. None of the above

## **Solutions**:

- 1. c
- 2. d
- 3. d
- 4. c

<b>Problem</b> : Think of the eCourseware system that we've used in class. Reverse engineer one user story that records a requirement for the system. You must apply the description template described in class, and your US must have the other attributes of good user stories, which we discussed in class.				

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Many possible answers
there's the template:
"As a <who>, I want <who> <uhy>."</uhy></who></who>
Here are some other good attributes:
- Describe one thing
- Use customers language
- Not be long essay
- Not use technical terms

Title: Animated Buttons

Description: Use jQuery to animate

buttons.

Estimate: 2 days

Title: Review Flight

Description: A user will be able to

leave a review for a shuttle flight they

have been on.

Estimate: 20 days

Figure 1. Two example user stories.

<b>Problem</b> : Of the two user stories in Figure 1, which was better written? Explain your answer.				

Solution:

US Review Flight is better because it is customer oriented. US Animate Buttons talks about implementation technologier (j Query) that the may know nothing about.

## Question:

What two things are wrong with the following US description.				
The interface will be implemented using jQuery.				

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1. The US mentions specific implementation technologies
(jaury).
2. The US Uses technical jargon (javery) with which
This US would be hard to estimate/plan ("5" in INVEST)

**Problem:** Of the two user stories below, which was better written? Explain your answer, citing two specific reasons one is better than the other.

Title: Manage Ads

Title: Rails Project

Description: The system should be developed using Ruby on Rails, so that it will be less costly to develop and main-	Description: As a system administrator, I want to be able to manage ads, so that I can remove expired and erroneous ads.
tain. Estimate: 120 days	Estimate: 2 days

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"Manage Ads" is better written.
Broblems w/ "Rails Project":
- Describes specific technologies (Rails)
- Not written in a way that a customer could understand
- Difficult/impossible to estimate
- Its large estimate (120 days) is unlikely to be very
accurate
- Not a valuable requirement to the customer

For	the next two questions, consider the GitHub web app.
	Reverse engineer a user story for some functionality provided by GitHub. You may omit the estimate and priority. Use the full template and style guidelines given in class.
2.	Describe two things that are wrong with this user story for GitHub functionality.  AJAX Profile Form  The update-profile form should use AJAX so that when the user presses the "Update profile" button, the data is saved, but the page does not reload.

**Problems**:

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1.

Many possible answers. Here's the template:

Title: (verb) (roun)

Description: As a (who), I want (what) (why).

2.

- (1) Mentions specific implementation technology (AJAX)
- (2) Uses technical jargon (AJAX) that the customer might not understand
- (3) Mention specific Features of the user-interface

  design (button)