

## Quiz 02: User Stories

**Due** Feb 6 at 10pm **Points** 10 **Questions** 4 **Time Limit** None

### Instructions

Answer the following questions in your own words. Do NOT simply cut and paste the information from the slides. You will receive a score of 0 if you copy the prose from the slides.

For this quiz you will play 2 roles: sometimes you will act as a customer and sometimes you will act as a software developer.

You will describe the features and user stories for a home security system. The system should detect unwanted intrusions and take appropriate action, such as notifying the police. The owner of the system should be able to set it for different modes of vigilance and response.

### Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	55 minutes	0 out of 10 *

\* Some questions not yet graded

Score for this quiz: 0 out of 10 \*

Submitted Feb 5 at 5:34pm

This attempt took 55 minutes.

#### Question 1

Not yet graded / 2.5 pts

Playing the role of the customer, make a list of the features you want in your system.

Your Answer:

The features I want in my home security system are -

1. System should detect unwanted intrusions and take appropriate action such as contacting the police station nearby immediately.
2. It should be reliable and available for 24x7.
3. It should have a master control panel which should be easily accessible and user friendly.
4. There should be window, door sensor and motion detector which activates the lights when a person is in the vicinity.
5. It should have multiple operating modes. i.e. the system should be more active during night time and less active during day time.
6. During the intrusion, the system should notify the owner of the house by message.
7. I should be able to know the status of the system at any time using internet.
8. CCTV cameras should be able to capture the footage in high definition.
9. Latest encryption techniques should be used.

**Question 2****Not yet graded / 2.5 pts**

Playing the role of the customer, write at least 5 user stories. Be sure to include the following elements in your story:

- title: a short phrase describing the story
- priority: the importance of the story (filled in later)
- story points: the difficulty of implementing the story (filled in later)
- description: a sentence or two describing the story

Your Answer:

**User Story 1**

Title: Detect Intrusions

Priority: 1

Story Points : 5

Description: As a user, I want my home security system to detect intrusions 24x7.

**User Story 2**

Title: Contact Police

Priority: 2

Story Points: 1

Description: As a user, I want my home security system to notify the police immediately when intrusion is detected.

**User Story 3**

Title: Change Mode

Priority : 3

Story Points: 2

Description: As a user, I want my system to automatically change the modes according to the day night cycle.

**User Story 4**

Title: Access Master Control Panel

Priority: 3

Story Points: 4

Description: As a user, I want the master control panel of the system to be easily accessible and user friendly to every age group.

**User Story 5**

Title: System Status

Priority: 2

Story Points: 1

Description: As a user, I should be able to know the status of my home system at any time using mobile and internet connection.

**Question 3****Not yet graded / 2.5 pts**

Playing the role of the developer, estimate how many days each story will take. If a story will take too long, break it into multiple stories. Write the number of story points in the appropriate place for each story.

Your Answer:

User Story 1 - Detect Intrusion

It is the most important part of the system to detect intrusions using heat sensors and cameras. So, it should take 5-6 people to build the system in 15-20 days.

Story Points: 11

User Story 2 - Contact Police

It will take 3-4 hours to implement it. It is a basic concept and it can be incorporated in the system easily.

Story Points: 1

User Story 3 - Change Mode

It should take around 3-4 days for the developers to build it as it has many functions which needs to be implemented.

Story Points : 2

User Story 4 - Access Master Control Panel

It should take 6-7 days to get implemented as it is an important feature for the user. Panel having touch and zoom features require some time to be designed.

Story Points: 4

User Story 5 - System Status

The user can use it at any time, so the system should be tested after every module is developed. It will take around 8-9 days to complete.

Story Points: 8

**Question 4****Not yet graded / 2.5 pts**

Playing the role of the customer, arrange the stories in priority order. Assign a priority of "1", "2" or "3" to each story, where the most important stories get a "1".

Your Answer:

The priorities would be as follows:

1 - Detect Intrusions

2 - Contact Police, System Status , Access Master Control Panel

3 - Change Mode

Quiz Score: **0** out of 10