

# SOFE 2720 Class Activity - Requirements

Complete this activity in your **LAB GROUPS**. In canvas, these groups are found under People > Groups.

When submitting your activity, make sure that

1. Your group members' names, student IDs, **AND** group number is included.
2. The activity must be contained within the document you submit. Please don't include answer to the activity within the comments.

## Questions:

1. In your own words, describe a business use case.
2. Constraints are
  - a. Limitations on the project.
  - b. Challenges faced by the product.
  - c. Defects in the system.
  - d. Creeping requirements.
3. Requirements should be
  - a. Vague.
  - b. As general as possible.
  - c. Measurable and testable.
4. Non-Functional Requiriements:
  - a. Are responses by the Work to an event started by an adjacent system.
  - b. Are responses by the Work to a global event.
  - c. Are constraints on the project.
  - d. Describe the product's qualities and attributes.

## Exercise:

Because of the large number of new students in OldsTown over the past couple of years, there have been challenges in finding the right accommodations that serve the needs of these students. Students often arrive with little knowledge about OldsTown

housing market. Many students find themselves ill-equipped financially to rent apartments quickly upon their arrival. Language and cultural differences pose additional challenges for international students in finding suitable accommodations.

To mitigate these issues, Intec Solutions wants to provide students with an online homestay network similar to commercial networks in the market (such as Airbnb). The product is a website and a mobile app (runs on both android and IOS) that will allow homeowners to rent their apartments or rooms with students. Owners will mention for how many months they would like to share their apartments and how much they would like to charge per month. The owner should be able to share photos of the apartment and information about themselves. This includes information such as whether they speak a foreign language and whether they can provide additional support to help the student get settled in OldsTown. Students should be able to search for apartments based on location, price, number of rooms, and any additional help provided by the host. Students should also be able to rate and write reviews for the apartments after they stay in them. Similarly, homeowners should be able to write reviews about the student tenants. Student sponsors, such as scholarship providers or parents, should be allowed to rent apartments on behalf of students.

To avoid the service being used by persons who are not students, they require the student tenant to submit proper documentation (student ID) when they confirm the booking. The product should generate weekly reports about student rentals to the university. University officials should be able to use the product to search for vacancies when providing housing services for new students. Intec Solutions wants the product up and running by February 2022.

From the above scenario:

1. Identify four stakeholders (those explicitly mentioned)
2. Identify **TWO** business events
  - Note: Recall that a business event is something that happens to the business (usually called “the work”), that makes it respond. E.g. “User wants to search the website”, “Customer pays an invoice”.
3. Identify **ONE** constraint
  - Note: Recall that a constraint is a requirement, either organizational or technological, that restricts the way you produce the product. E.g. “It must work on Firefox 51.0.1”.