

# DIT045/DAT355 Exercise 2: Writing Requirements

Fall 2020

This document can be found in [Files > Exercise Descriptions](#) on Canvas

## Zoom Organization

Now I can use your group names to pre-make breakout rooms.

There should be a breakout room available with your group name.

You may be assigned to this automatically, or can move to it on your own.

This will happen when I start the breakout rooms.

## The Exercise

### Note:

The exercise is not mandatory and not for marks. But it will begin to help you practice and learn what was presented in the lecture and is similar to parts of the assignment. Work on this exercise with your team.

You can hand in your output to E2 in Canvas via PDF. Hand in one per team. There will be selected feedback, but no grades.

### Sharing exercise feedback:

I think it is useful not only for you to see the feedback, but for everyone to see each other's feedback. If you want your submission to be anonymous, don't put your names or group name on it. My plan is to group the submissions and the feedback together in one document and make it available. If the feedback is very similar, only a subset of submissions will be included.

## Case: Holiday Shopping

You can find a description of an additional case on Holiday Shopping in Canvas: [Files > Exercises > ExerciseCase\\_ShoppingApp.pdf](#). Use this case in this and future exercises to guide your creativity, models, and requirements.

## Writing User Stories (40 minutes)

Last week, you drew a goal model and a context diagram from the holiday shopping case. Now, write 10+ user stories for this case. Look at the goal model and try to write user stories which covers much of the content. Remember the format from the lecture with the 3 parts: As a < type of user >, I want < some goal > so that < some reason >. Remember the qualities of good user stories from the lecture. If

you have trouble coming up with 10, break down the model elements into more detail. Focus on information needed, and not design.

### Writing SRS Requirements (40 minutes)

Now, looking at the context diagram, try to write 10+ SRS-style requirements. Try to write at least 3 NFRs as well as functional requirements. Indicate which is which. If you don't have enough content in the context diagram, you can also be inspired by your goal model; however, don't write SRS requirements which are the same as your user stories. Create new requirements.

If you can't get 20 requirements (user stories + SRS requirements) out of both models, try to go into more detail or think of some new functions and features to cover. Indicate if any requirement is not covered by the models.

SRS requirements should always be complete sentences and numbered. You can have sub-requirements. Remember the qualities of good SRS requirements from the lecture.

### Constraints, Domain Assumptions (20 minutes)

For the holiday shopping app, try to think of at least three constraints and three domain assumptions.

### Submit (not for grades)

Hand in a PDF which possibly has the following:

Resubmit your iStar SD model

10+ user stories

Resubmit your context diagram

10+ SRS requirements, including 3 NFRs

3+ Constraints

3+ Domain Assumptions

Hand in one file per group to Exercise 2 in Canvas.