# GROUP A - TEAM COMPONENT

## Project Details

**Concept -** An Application that keeps track of selected product stock availability at registered shops.

**Objective -** To inform users of the amount of a selected item in stock at a particular location/shop, and also where to find that item in stock at an alternative  
location if it is unavailable.

### Team info

S290428 – Augustine Thorbjornsen

S266070 – Daniel Wilson

S317932 – Wei Liu

### URLs

* <https://github.com/LargerSnowdevil/S20PRT585_Group-A>
* <https://trello.com/b/09xivzz7/instock>

## Summary of progress

### Tasks/Components progress (group)

* Setup project using three three-tier-architecture.
* Implemented “Shop” model with CRUD operations. Shop model has many items relationship (MANY to MANY)
* Implemented “Item” model with CRUD operations. Item has a single shop relationship (One to MANY)
* Implemented item searching capabilities – built into \_BLL.
* Developed angular front end to CREATE, READ, UPDATE and DELETE - shops and items
* Developed searching functionality into angular front end

## Potential Risks and proposed solutions

**Product Risks** - Not enough stores provide their stock information for the app. Understanding where to find extra stock causes panic buyers to go from shop to shop buying things out.

Proposed Solution – a system of incentives to encourage users and shop owners to target high reliability of updates.

## Lessons Learned

1. Managing unexpected event when project development commenced (Daniel had to deal with his family business –the team should have managed the tasks better to allow for continuous integration)

2. Not ensuring each team member understood how to develop basic CRUD in Angular and .net core before starting the project. (If pair programming of this task was completed before project commencement, the project would be mostly completed already).

3. Not having more face to face meetings/pair programming. ( Most meetings were completed over teams video call but this was not as productive as face to face.)

4. Team should have made better task allocation before starting the project as this leads to faster development integration.

**INDIVIDUAL COMPONENT**   
Each team member needs to outline the % of work completed (research/ learning/ implementation/ management) with links provided to task allocation and results in Trello and GitHub

# **ANDY – Feedback Report (Draft)**

## Challenges & Solutions

1. Coding is my negative part for me because I have not touched code for several years, I will spend much time on it to fresh me.

2. Time management is also a problem for me, in the future, I will try to make a timesheet before the start of the project.

## Partners & Feedback (Suggest at least 3 improvements for each team member)

Daniel Wilson is a professional man in the IT areas, he knows a lot of stuff related to IT. The improvement for Daniel is that we should have started pair programming early, but we did not arrange a time to work on it, the reason might be that some other things distracted us. The second one is we should always push us to go further and forward, there is no detailed schedule for our project to finish, next time, we need to make a plan in advance. Finally, more communication would be better!

Augustine Thorbjornsen is a very smart and hard-working man. The improvement for him is that as a leader in the project, he might check each person’s progress all the time in the future, sometimes he can go further by himself, but there are other members who left behind, they need helps from him. Secondly, Time management is an important skill for the group project, we need to make a specific plan as soon as possible before the start of the project. Finally, we need to arrange the time to meet up, the more communication, the more contributions.

## List team collaboration issues and propose 3 improvements to improve team collaboration

1. More physical meetings should be done instead of the online meeting, which would be more efficient.

2. Before the start of the project, we have to communicate with each other to know the current progress in case members confusing.

3. Millstone setting in advance. We need to set a clear and specific millstone in each sprint to make sure that this project can be finished on time without stress.

## Describe any assistance needs and list at least 3 improvements to improve the class learning experience

1. All the learning resources could be published as earlier as possible. Because sometimes students spend a lot time finding resources.

2. Before the class each week, if there would be some resources that could be reviewd in advance, which would be better for students.

3. Pair programming is a very vital part for students to communicate with each other, this way could help students who have known all stuff to make sure they understand everything, and this way could also help students who have some questions to work out them.

## Self-realisation: List 3 improvements to improve yourself

For me, in the beginning, I wasted a lot of time working on the thesis and ignore this project, which lead me left behind. After the mid-term break, I realized I need to work harder to catch up, then I spend at least 8 hours each day for two weeks to learn Angualr and .Net core, finally, I know how it is working and working out.

Improvement :

1.Time management: It is a bit hard for me to manage time properly, especially during the period of the mid-term break. There was an emergency that happened, which made me left behind. Before the start of the project, I need to make a timesheet to guide me on what to do every single day, which would be a good way to fix my issue of time management.

2.The knowledge and experience: I have some basic IT experience although I passed my bachelor after graduation, I have not touched IT anymore till I started my study at CDU. I need time and knowledge to catch up with everything, all knowledge and foundation of IT can not be learned in a short time. Finally, I would spend much more time than people who have the background. Insisting on working on IT would help me to re-build fundamental knowledge of information technology. I would have a plan to focus on the IT part from basics to advance, and I would spend much more time learning a language, which can help me in the future.

3. Concentration: I need to concentrate one thing one time instead of all things one time, which could help me get better. There are always some other things that distracted me, in the future, I will be improved.

**AUGUSTINE – Feedback Report**

### Challenges & Solutions

My progress in the project included building “Item” CRUD and searching for items by string.

Buidling the project with authentication initially caused scaffolding issues when trying to add a model.

The error thrown was a microsoft systems error. Time was spent debugging, reading stackoverflow comments, googling but failed to find a solution.

This was fixed by not building the project with authentication.

Partners & Feedback (Suggest at least 3 improvements for each team member)

Feedback for Andy

* If Andy spends more time understanding concepts rather than getting tutorials to work he would be a much better developer.
* He also needs to try and dedicate more time to for practices what he has learnt in tutorials.
* He also need to try and take more initiative in attempting to build components for the project.

Feedback for Daniel

* Danial can try and take more leadership rather then waiting for other team members for direction.
* Danial could try and share more content he’s found useful for him.
* He also can try and initiate more team meetups.

### List team collaboration issues and propose 3 improvements to improve team collaboration

1. Audio/video calls aren’t effective as face to face meetups.
2. Early allocation of tasks was not properly organized.
3. Pair programming is far superior than committing individually. Team needs to do more pair programming.

### Describe any assistance needs and list at least 3 improvements to improve class learning experience

1. More class development workshops and challenges. Pair programming with other students.
2. Less explanation of development concepts and more practicing of development concepts.
3. Content delivered during class should be more advanced. I found most of the content delivered I had already understood in previous units.

### Self-realisation: List 3 improvements to improve yourself

1. I take leadership role too easily and I don’t rely on my team members enough.
2. Initially, I didn’t put enough time into unit because of bad time management with thesis and family responsibilities.
3. I’m lazy when it comes to reaching out to members if they understand the concepts or not.

# INDIVIDUAL COMPONENT:

Due to a family emergency I have been away and mostly unavailable for the first 3 weeks of the project. As a result of this I have been allocated only a single task in the project it can be located at: <https://trello.com/c/tCmfXN4W/20-integrate-bll-and-dll> with the results located at: <https://github.com/LargerSnowdevil/S20PRT585_Group-A/tree/N-tier-architechture-implementation>. As far as % of work completed, according to GitHub I have authored just under a third, of commits to all branches but am unable to see the code contributions until the branches have been merged to master and this is currently scheduled for the day after this document must be submitted. An educated guess based on what has been seen of the project so far would put my contribution at somewhere around 10-20% possibly more if more than the expected amount of work is needed to bring Andy’s work into N-tier compliance. With regards to researching and learning I believe the amount would be around 20-30% as I am still catching up from my time off but expect the be back on equal footing by Wednesday.

# Feedback Report

## Challenges & Solutions

As I have not had all that much work to do yet I have not faced many challenges. The challenges that I have faced include:

* Poor spelling.
* The inability to remember variable names.
* Forgetting to save before committing.
* Failing to start my server before testing.
* Not updating my database after modifying database items.
* Losing track of time while working only to realise that the sun is coming up and I have a meeting in 4 hours.

All these issues have been resolved or mitigated through either, the heavy use of caffeine, or by going to bed earlier.

## Partners & Feedback (Suggest at least 3 improvements for each team member)

### Feedback for Andy:

* Andy’s technical skills and code knowledge are not very strong, while he does acknowledges this and allocate a much greater time to work on tasks I believe he would be better off spending more time improving his skills and knowledge instead of simply slogging through his allocated work.
* While Andy has shown the ability to work with and manipulate databases, he needs to revise database schema and relationships.
* Andy has a knack for finding code snippets or tutorials that do what he wants and a tendency to use them without really understanding how they work. This habit tends to backfire on him horribly and I think he would be better off if he read into the solutions a bit more closely and tried to better understand why they work.

### Feedback for Augustine:

* Augustine tends to improvise and jump into things without thinking about them first. He should occasionally stop and think about what the short-term and long-term plans are.
* Augustine is quite charismatic and enthusiastic at times and tends to try and take charge and give out orders without realising what he is doing. It can be quite difficult for those not as good with people to disagree with him and it would be good if he could recognise when he was doing it so that slow down a bit.
* Augustine seems to forget that other people aren’t him. By this I mean that he tends not to realise that other might not know what he knows or learn as quickly as he did. Leading to him allocating tasks to people that he thinks they are capable of that they either struggle to complete or cannot complete in the time they have. In addition to this his charisma can make difficult to tell him otherwise.

## List team collaboration issues and propose 3 improvements to improve team collaboration

* Team meeting tend to be unplanned and short notice we really need to get better and planning them in advance.
* The team has identified a lack of skill sharing within the group and are trying to improve this going forward.
* I have not personally experienced it for the reason explained earlier but both of my team members have complained about a sluggish and haphazard allocation of tasks at the beginning of the project.

## Describe any assistance needs and list at least 3 improvements to improve class learning experience

* It would be great if the class recordings could include the things you draw on the whiteboard when explaining things as they really help with understanding your explanations. This could be done either by filming the whiteboard or using the MS Teams meeting whiteboard instead. Being able to go back and rewatch the recording was helpful when I got stuck.
* I know you probably have no control over this but the timeslot for the class is horrible. Dinner should be smack bang in the middle of it so I’m hungry and struggling to concentrate by the time the tutorial starts. Once again I know you probably had nothing to do with it but I hope that if enough people complain about it in feedback like this then you can use that if the university ever tries to make you do this timeslot again.

## Self-realisation: List 3 improvements to improve yourself

* I don’t tend to reach out and share the skills I’ve learned unless I am asked to. I need to start doing this more.
* I’m perfectly happy not to be in a leadership roll as Augustine is more than capable of filling the roll. After several past groups where I was all but forced into the leadership roll to get any work done at all, it was nice to not have to call the shots. This was probably not very fair to the others.
* I have terrible time management skills, I’ve known this since high school, everyone who has ever known me for more than a few weeks knows this, but I’m a lot better than I use to be and it’s still a work in progress.