

Swinburne University of Technology

School of Science, Computing and Engineering Technologies

Contribution Document

Subject Code: SWE30003

Unit Title: Software Architectures and Design

Assignment number and title: 1. Requirements

Due date: 7th April 2024

Tutorial Day and Time: Wednesday 5:30 PM

Project Group: 05

Tutor: Mandeep Dhindsa

1. Time spent (hours) and contribution description

1.1 Fill in the time spent on each significant work item in the following table:

Work Item	Tran Duc Anh Dang	Nathan Ko	Luan Nguyen	Ertesam Naser Zarif
Project Overview	✓ (3 hours)			✓ (1 hours)
Problem Domain	✓ (2 hours)			✓ (1 hours)
Functional Requirements and Task Description	✓ (2 hours)		✓ (1 hour)	
Workflow		✓ (3 hours)	✓ (1 hour)	
Data Model		✓ (2 hours)	✓ (2 hours)	
Quality Attributes of System			✓ (2 hours)	✓ (3 hours)
Other Requirements	✓ (1 hour)			✓ (2 hours)
Validation of Requirements	✓ (1 hour)			
Possible Solutions	✓ (1 hour)			✓ (2 hours)
Work Review	✓ (Daily Review)	✓ (Daily Review)	✓ (Daily Review)	✓ (Daily Review)

Note: Please adjust and add more rows, as necessary.

1.2 Description of contributions (each member provides a brief description of their contributions):

Ertesam Naser Zarif: Wrote the quality attributes of the system, other requirements sections as well as the standard staff-customer hybrid approach solution for the document. Reviewed other sections as well.

Tran Duc Anh Dang: I contribute on Project Overview, Problem Domain, Functional Requirements and Task Description, Other Requirements, Validation of Requirements, Possible Solutions and Work Review daily. I do work with Luan face to face so we do have discussion on plans for workflow, data model as well.


Nathan Ko: I contribute on Workflow and Data Model with Luan, discussing where models can be improved based on Project Overview, Problem Domain, Functional Requirements and Tasks Description based on what Anh has been working on.

Luan Nguyen: I do work with Anh face to face so we discussing on the tasks that must be done for Workflow, Functional Requirement And Task Description. Then implementing them with Nathan and Zarif.

... ..

2. Evidence of collaboration / teamwork on each significant work item (eg, discussions, mutual revisions and reviews, etc.):


Functional Requirements and Task Description


 **Zarif** 04/01/2024 9:54 AM
i have a question about some of the tasks we've put in
Table Turnover Management:
Actor: Server, Host/Hostess, Maintenance Personnel
Description: Prepare tables for new customers following departures, ensuring cleanliness and proper setup.

Staff Scheduling:
Actor: Manager, Employee
Description: Schedule work shifts for all restaurant staff, ensuring adequate coverage during peak times and managing time-off requests.


are these two tasks relevant to the system that they want? how / why would table turnover be put into the system when it is an on-floor work.


Also the staff scheduling thing as well that seems like it is part of a different system that the restaurant would use


 @Zarif Also the staff scheduling thing as well that seems like it is part of a different system that the restaurant wor


 **Luan Nguyen** 04/01/2024 9:59 AM
What is the different system you mean?


Since they ask for a information system needed for daily use
So I think staff cleanliness control and scheduling tasks are needed


 **Zarif** 04/01/2024 10:01 AM
How would you incorporate staff cleanliness into the system tho


 **Luan Nguyen** 04/01/2024 10:02 AM
So what kind of "diffent system" are u talking about?


 **Zarif** 04/01/2024 10:02 AM
In actual restaurants the staff just go on and clean the table / prepare the table once the guests leave


 @Luan Nguyen So what kind of "diffent system" are u talking about?


 **Zarif** 04/01/2024 10:02 AM
Different system as in I assume they have a rostering system in place already since it wasn't mentioned explicitly


 **Luan Nguyen** 04/01/2024 10:02 AM
That the case you only serve 10-20 guests at a time
Imagine u have 50-150 guests
Thats kinda difficult to observing
And allocate staff for that


 **Zarif** 04/01/2024 10:03 AM
What would be the trigger for the table turnover tho and how would you make it work


 **Luan Nguyen** 04/01/2024 10:03 AM
So I think it is needed

 @Zarif What would be the trigger for the table turnover tho and how would you make it work

 **Luan Nguyen** 04/01/2024 10:04 AM
Could be some one in between
And allocate staffs for that

 **Zarif** 04/01/2024 10:04 AM
Huh
Is it just a person looking over and seeing if the table needs to be cleaned?

 **Luan Nguyen** 04/01/2024 10:05 AM
Yes
Just imagine a table would be 2-4 people
150 guests would be 30-50 tables
But in case this kind a take away aswell
So to say it have 30 tables
And other for TA
A process for turnover is needed

 **Zarif** 04/01/2024 10:08 AM
Okay



Tran Duc Anh Dang

5:37 PM Apr 4

Mmmm might need an improvement on this, might want to separate out payment method such as Cash/Credit/Other

<https://doc.toasttab.com/doc/platformguide/platformPwfOverview.html>



Tran Duc Anh Dang

5:35 PM Apr 4

Is that possibly to have different pickup type such as self or delivery if it is Takeaway?



Tran Duc Anh Dang

5:33 PM Apr 4

What are the other alternatives options? Order Type (Take away, Dine in)



Tran Duc Anh Dang


5:37 PM Apr 4

Mmmm might need an improvement on this, might want to separate out payment method such as Cash/Credit/Other

<https://doc.toasttab.com/doc/platformguide/platformPwfOverview.html>

Workflow






Luan Nguyen

04/02/2024 7:19 PM

I think we should put it the most summarize as posible
other stuffs is in req
so we dont need to repeat much




@Luan Nguyen I think we should put it the most summarize as posible

Nathan Ko

04/02/2024 7:19 PM

okie thanks for that




anhdang

04/02/2024 7:26 PM

The right one on business model for workplace like crown where it's required dynamics evironment.

The left one is an ideal for business model that doesnt required many employees to maintain the performance I believe.

Data Model



Tran Duc Anh ...

5:43 PM Apr 4

✓

⋮

Mmmm, I wouldnt recommend this,
maybe something like:

1. Automate the feedback
2. Approach customers before they churn
3. Channel positive feedback
4. Streamline task management
5. Analyse sentiment base on feedback
6. Share feedback with the team
7. Import to management software
8. Analyze

[Show less](#)

Quality Attributes of System

99.999



Tran Duc Anh Dang

2:06 PM Apr 2

do we have the source for this number or do we make it up?



Ertesam Zarif

2:55 PM Apr 3

yea its the standard for high availability



Tran Duc Anh Dang

11:28 PM Apr 4

Marked as resolved

Possible Solutions



Nathan Ko Yesterday at 11:38 PM

and receipts for customers, and handling payments. In order to get a better overview of the kind of menu items the customers are ordering, the new system shall also support basic statistics about ordered menu items etc. The owners also want to make the menus available online in order to better inform potential customers about the offerings of the Relaxing Koala and to allow customers to order from the take-away menus and possibly arrange delivery.

Other restaurants incorporated further features into their information system. The owners of the Relaxing Koala, however, decided not to consider any of these features for now, but this may be an option in the future.

i will write one possible solution for that

how the owner will inform the potential customers and the online users about their menu and service



Nathan Ko Yesterday at 11:47 PM

i choose Digital and traditional marketing strategies for solution name already updated check it out



@Nathan Ko already updated check it out

Zarif Today at 7:15 AM


And yea I agree with @anh dang, the solution needs to be a system that programmers can create. Not a business plan for them. Something you can build from the functional requirements and workflow we've made (edited)



Nathan Ko Today at 7:56 AM

All good
Thanks

they should focus on a combination ...

 **Luan Nguyen** 2:21AM Today ✓


They dont really need an ADVICE they need ACTIONS, what do your group gonna help them. If they need advices they could look for a professors one not us. You need to provide them actions, acts that we can really offer them for example observing strategy performance system of how the marketing strategy works or effective. THEY NEED ACTIONS

[Show less](#)

Reply or add others with @

Viewers of this file can see comments and suggestions

3. Signed by all members:

ID Number	Name	Signature
<u>103995439</u>	<u>Tran Duc Anh Dang</u>	<u>Anh</u>
<u>103834192</u>	<u>Ertesam Naser Zarif</u>	
<u>104150310</u>	<u>Nathan Ko</u>	<u>Nathan</u>
<u>103812143</u>	<u>Luan Nguyen</u>	<u>Luan</u>