

Practice Module Presentation Detail

for Certificate in Architecting Scalable Systems

General Presentation Outline with approximate suggested time allocation (45 minutes)

- Overview (3 minutes):
 - explain the context and the business problem that the system as a whole try to achieve.
 - You can also relate briefly the business problem with platform thinking as the context for your platform technical design
- Logical Architecture (12 minutes):
 - explain the components of the application by showing a logical detail deployment diagram and other supporting views.
 - You should explain the design and distinction between the platform and the application, and any relevant significant architectural decision e.g.: the reason behind the decision of making a component to be part of the application instead of the platform.
 - Highlight any significant impact that your design has for the software quality attributes - both positive and negative impacts.
- Physical Architecture (12 minutes):
 - explain the physical arrangement and technology chosen to implement your solution.
 - You can highlight the significant technology choices that is part of your architectural decision.
 - You should explain significant data flow between various component using the significant use cases.
 - Highlight any significant impact that your design has for the software quality attributes - both positive and negative impacts.
- Implementation Experience (8 minutes):
 - explain the highlight of your DevOps procedure and significant technical findings from your experience such as reasons why a specific service that you use is not suitable for a use case that you implement.
- Demo (10 minutes)
 - Demonstrate some of the significant use cases
 - Demonstrate how the system deal with some of the important quality attributes e.g. scalability (such as demonstrating auto-scaling), performance (do some scripted performance testing), maintainability (show/run the DevOps pipeline)

Presentation Tips

- Summarize and highlight the significant achievement. Talk more about the significant and interesting part of your system and implementation and just briefly skim through things that are not very unique. You want your audience to remember the highlights and not how your system is similar to many other systems

- Manage your time well. Don't put too many slides and remember that people will read through your text in the slide so you can just read the highlights.
- Explain your design in top-down manner. Make sure that your audience understand the high level design and the high level decisions that you make before going to some of the detailed

Presentation Schedule

Thursday 30 May 2019, 6.30pm to 10pm

Venue: Influence, 29 HMKT

Time	Group	Members
6.30-7.30 PM	Group 1	Jitesh Janardanan Nambiar RASHI SAMUR
7.30-8.30 PM	Group 3	ALLURI SRINIVAS REDDY LIANG FAAN Xu Jiao
8.30-9.30 PM	Group 6	CHEN XIAOJIE JADHAV KUNAL NURDIN EFFENDI ZOU XUAN

Saturday 1 June 2019, 9am to 12 pm

Venue: Frontier, SFAH

Time	Group	Members
9.00-10.00 AM	Group 2	LI YAO DONG NGO THI HONG HOA PHAN NGUYEN TRA MY TAN WAI TUCK
10.00-11.00 AM	Group 4	ABOOBACKER MOHAMMED SHAHUL SULTAN MOHIDEEN HAFEEZ ADHIL MUHAMMED ABDULLAH IQBAL VIMALARAJAH THAVARAJAH
11.00-12.00	Group 5	ARJUN SHARMA Jiang Jie LEE YU LING ESTHER ZHENG RUIQING

Submission

The submission deadline is 1 June 2019 11:59 PM. Submit the following into your deliverables team folder:

1. Your presentation slide in PPTX or PDF format. Put your team number in the name e.g. Team_1_Slides.pptx
2. Your report in DOCX or PDF format. Put your team number in the name e.g. Team_1_Report.pdf
3. Your source code. If you maintain everything in a single repository, a snapshot of that repository with a clear README file which explain the organization of the file will suffice. Zip all the files and put your team number as part of the file name e.g. Team_1_Code.zip

The template for your project report has been placed in LumiNUS under Project Brief folder together with this document.

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