

Assignment 7a UML sequence diagram

Due by 6:00pm CT, Monday April 28

Directions:

- Email your results in a single ZIP file as define in the course Syllabus to xinchi-he@utulsa.edu by the due date and time. Include your entire project folder in the ZIP file.

Questions:

1. [10 points] Tool Setup

- a) Install Eclipse Modeling Tools as we've demonstrated in class. You can download it from <http://www.eclipse.org/downloads/> Choose right version according to your computer operating system and architecture.
- b) Once finish installation, run the eclipse and click on Help menu, then click on Install Modeling Components. Select Papyrus from the window pop out and then click on finish button to finish the installation process.
- c) Provide a screen shot if your desktop showing the Papyrus is correctly installed with the date/time visible.

2. [15 points] Recreate the UML sequence diagram

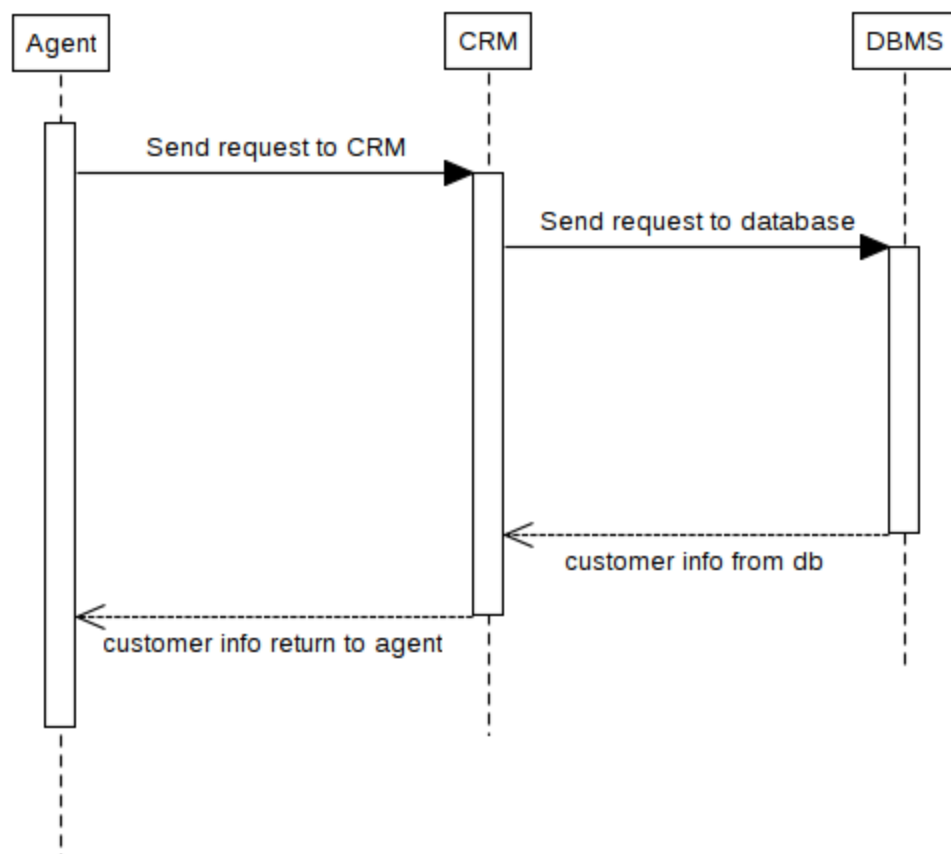
- a) Create a new Papyrus project, after input the project name, do NOT hurry to click on the

Finish button, click on Next button for more detailed options. Select UML in the next page, click on next, give diagram a name and select UML sequence diagram in the diagram kind and click on Finish now.

- b) Recreate the following UML sequence diagram below (Which is already demonstrated in class)

Scenario: An agent in Archisurance would like to retrieve customer information from database (DBMS) through customer relation management (CRM)

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3. [25 points] UML sequence diagram on your own

- a) Click on File->New->Papyrus Model, create a new model in the same project folder, repeat the same process to create an empty UML sequence diagram model.

b) Given the following scenario, please construct a corresponding sequence diagram.

Scenario: A customer of Archisurance makes a phone call to the agent in Archisurance to initial a new automobile insurance. When the customer makes the call to the agent, the agent first ask the customer's information to verify the identity, after the information is verified, the customer asked the agent to help him/her to create a new vehicle policy.

Remember you are going to have 4 lifelines, which are Customer, Agent, CRM and DBMS.

Be creative and good luck.

Grading Rubrics:

| | Excellent 4 | Competent 3 | Need work 2 | Unacceptable 1 | No attempt 0 |
|------------|--|----------------|----------------|---|--------------------|
| Tool setup | Fully completes installation with adequate proof and understanding of process. Submits works as | N/A | N/A | Installation fails with limited proof of attempt or understanding of process. | No attempt |

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| | instructed in ZIP file. | | | Does not submit work as instructed. | |
| Sequence diagram from example | Demonstrates complete understanding of Papyrus tool and UML sequence diagram. Completes model with all elements as outlined in the provided background material. | Demonstrates significant understanding of Papyrus tool and UML sequence diagram. Completes model as outlined in the provided background material. | Demonstrates Papyrus tool use and Some understanding of UML sequence diagram. Mostly completes model as outlined in the provided background material. | Shows limited understanding of Papyrus tool use and/or UML sequence diagram. Does not complete model correctly. | No attempt |
| Sequence diagram alone | Demonstrates complete understanding of Papyrus tool use and UML sequence diagram. Completes model with all elements supported by citations of background material. | Demonstrates significant understanding of Papyrus tool use and UML sequence diagram. Completes model with most elements supported by citations of background material. | Demonstrates Papyrus tool use and some understanding of UML sequence diagram. Provides only limited model elements support by citations of background material. | Shows limited understanding of Papyrus tool use and/or UML sequence diagram. Does not complete model correctly. Does not provide background material or citations. | No attempt |