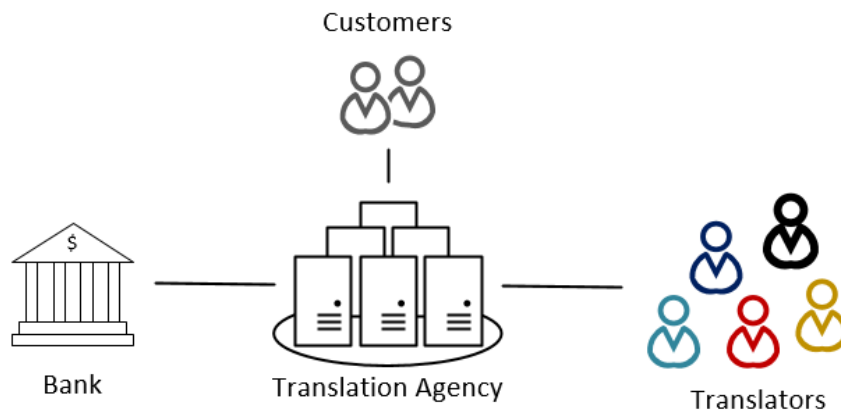_____

CENG 451

Information Systems Development

Fall 2020-2021

PROJECT DESCRIPTION

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TRANSLATION AGENCY

Translation Agency aims at translating documents from its original language to target language(s) that customer specifies. Basically, the agency has a pool of diverse translators dedicated to different languages and establish a bridge between customer and translator(s). A visual description of the translation agency system is provided in Figure 1.

Figure 1. Description of the Translation Agency System.

Concerning the translation request initiation, the customer sends a translation inquiry by specifying the original (Turkish) and target language(s) (such as German and/or French), due date and attaching the document. Whenever the agency receives an inquiry, the agency staff calculates the cost of translation and prospective delivery date and sends an offer to the customer. If the customer accepts the offer, the agency staff sends the document to the translator(s). When the translator(s) finishes the translation, the translation is sent back to the agency. The agency should also guarantee that the translation is appropriate by requesting proof-reading from another translator before it is sent to the customer. After proof-reading, finalized translation is delivered to the customer and the payment is received simultaneously. Concerning payment, cash and credit card payments are acceptable at the customer's choice.

Customer can also add more translations to his/her current request. For instance, let s/he requests the translation of passport from Turkish to Italian. While the translation is in progress, s/he can request additional translations, such as translation of diploma or her/his identification card. Therefore, the agency keep track of documents belongs to the specific user and should deliver them in time.

Besides, if the customer requests amendments in the document, the agency sends the amendment request to the translator(s) that has previously translated the document. After corrections are completed, the finalized version of the translation is sent back to the customer.

The agency can list, search and update existing inquiries from customers and ongoing translations. Moreover, the agency staff can get detailed information about specific customers. The staff can update existing inquiries from customers and ongoing translations such as delivery time and the payable amount.

Customer and agency staff can create and edit their own accounts however only the one from agency holding administrator role can delete users. All operations are logged in order to be analyzed further with timestamp.

PROJECT

You must provide following models for Translation Agency until the specified due date. You can work as **groups** for this project. Each group may consist of **three** people. You **must** form your groups via ODTUCLASS (Group Choice).

- **Use case diagram** (One detailed diagram for the system would be enough)

- **Scenario Description** (Pseudo Code)

- **Class diagram** (All classes must contain all necessary attribute and methods. Include relations among classes.)

- **Sequence diagram** (Select the 2 most complex use cases, provide Seq. diagrams for them)

Deadlines

Group Choice on OdtuClass: 23/11/2020

Project Report Submission: 06/12/2020 (late submission is not allowed)

Submission

For the project report, do not forget to include a title page and your group id, put student IDs and names of group members on it. Only **one** group member submits the project documents. The report must include all of the required diagrams. Name your project report as **ProjectReport##.pdf.** Along with your report, provide your model source files (e.g. mdj files for StarUML). Compress the report and source files into a single file as **Group##.rar** and submit through OdtuClass.