

CENG451

Information Systems Development

Homework 1 Report

Group 11

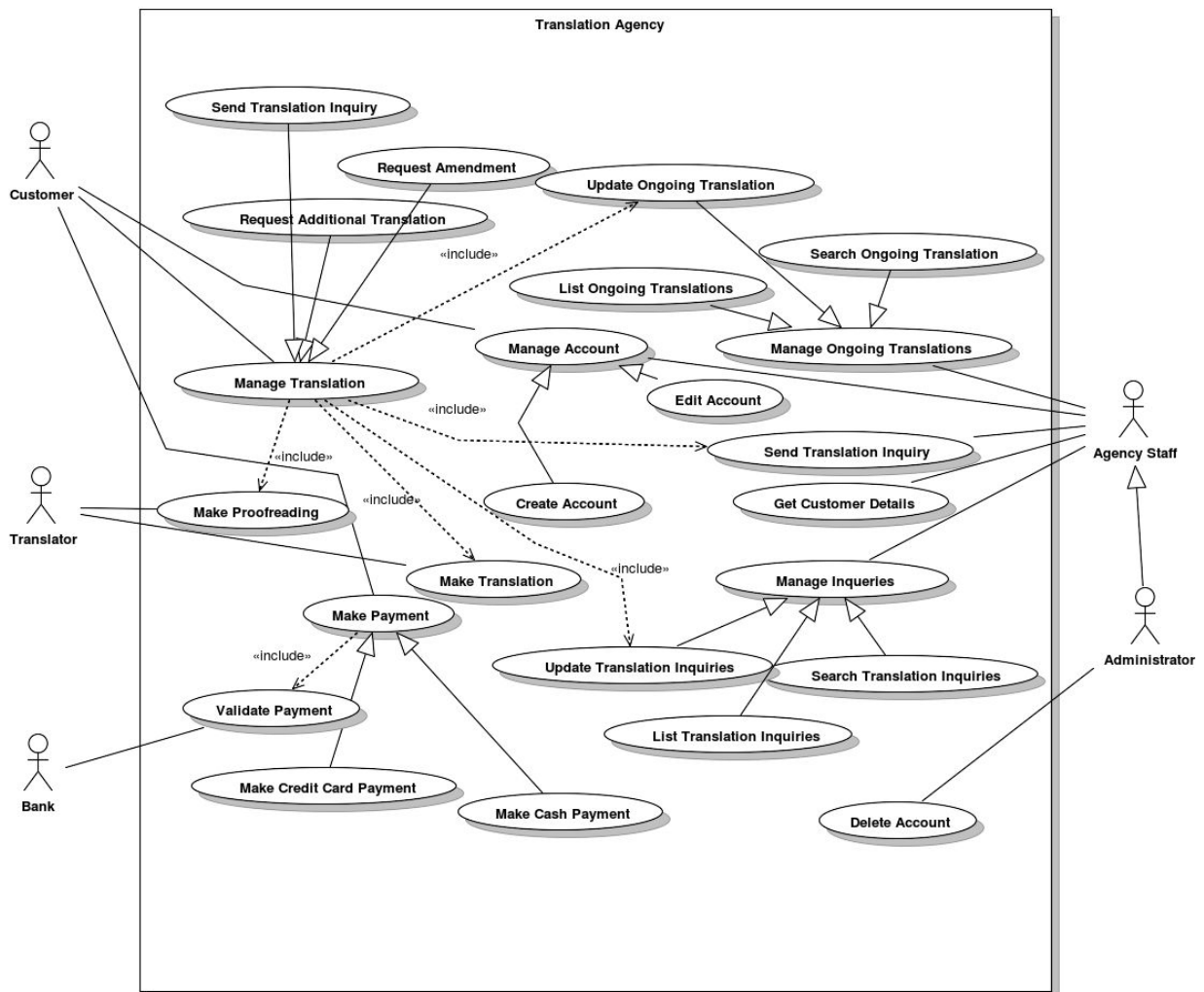
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Use Case Diagram

Figure 1: Translation Agency Use Case Diagram



Scenarios

Make Credit Card Payment

Call makeCreditCardPayment(inquiry_id, creditCardNumber, cvv, expireDate) to receive entered information by customer

result ← Call takeCreditCard Payment(creditCardNumber, cvv, expireDate) to send information to bank and notify them to start their online payment process

if(result is success):

Call showPaymentResult(customerID) to show the result to customer

Call notifyAgencyStaff(inquiry) to notify staff to update the inquiry in database

inquiry← Call getInquiry(inquiry.inquiry_id) to show staff the updated inquiry

Call updateInquiry(Inquiry) to save the updated inquiry to database

else

if(result is error):

Call showPaymentResult(customerID) to show the result to customer

// Inquiry stays incomplete

Request Amendment

if(translation is done):

inquiry← GetInquiry(inquiry_id)

inquiry ← updated inquiry by the customer

NotifyStaff()

inquiry.cost ← new_calculated cost

inquiry.date ← new_calculated date

inquiry.state ← in_progress

UpdateInquiry(inquiry) //In database

NotifyCustomer(inquiry.customer_id)

if(customer accepts):

for every translation document in inquiry do

NotifyTranslator(inquiry.translator_id)

translation← GetTranslation(translation_id)

translation.document ← updated_document

NotifyStaff()

UpdateInquiry(inquiry) //In database

NotifyTranslator(inquiry.proofreader_id)

translation← GetTranslation(translation_id)

```

Translation.document ← updated document
NotifyStaff()
UpdateInquiry(inquiry) //In database
NotifyCustomer(inquiry.customer_id)
Else
    translation.inquiry.state=done

```

Sequence Diagrams

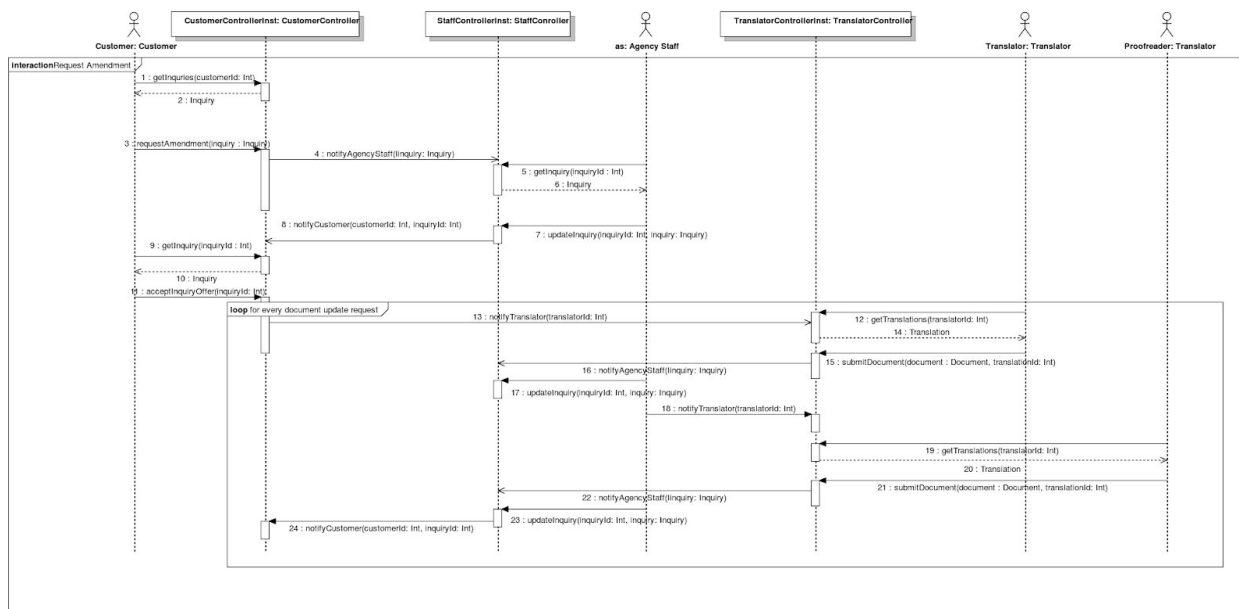


Figure 2: Request Amendment Sequence Diagram

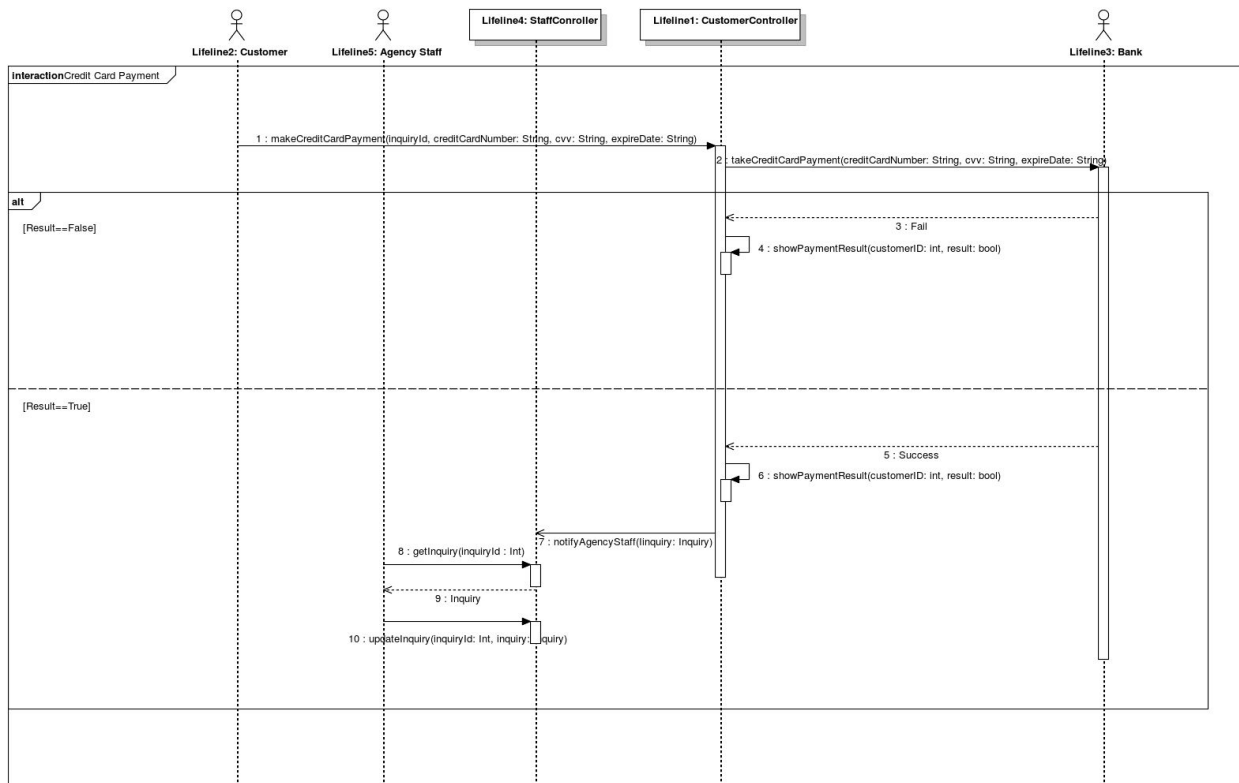


Figure 3: Credit Card Payment Sequence Diagram

Class Diagram

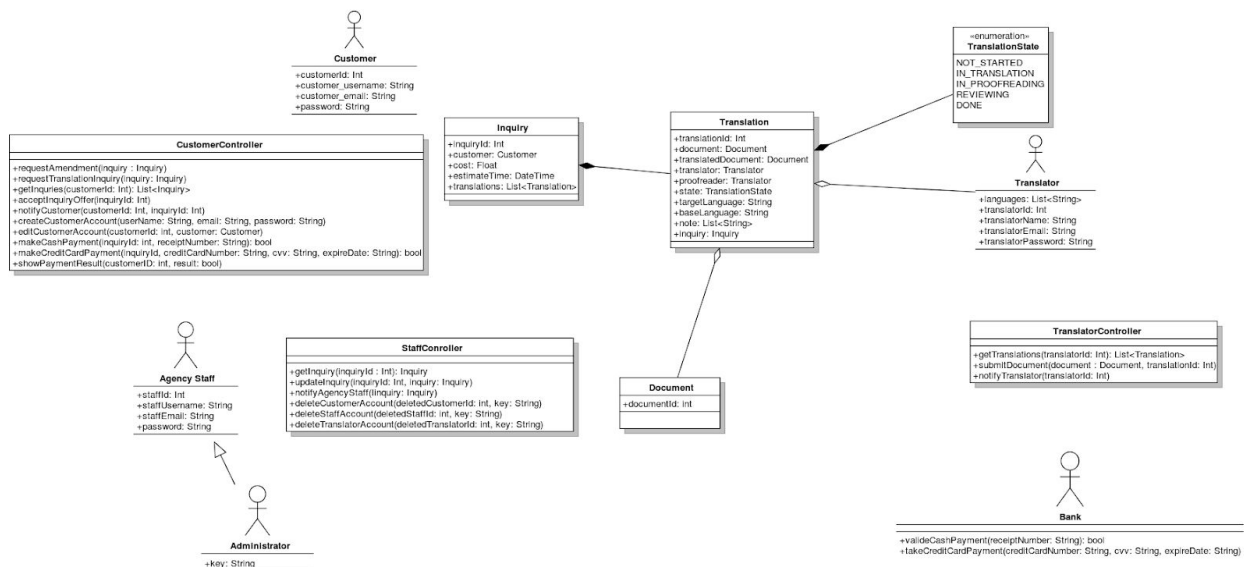


Figure 4: Translation Agency Class Diagram