Automated Assessment of Income Tax Return Sequence Diagram

CSE 326 - Information System Design Sessional
Subsection - A1
Group No - 03

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1905045 - Md Ishrak Ahsan
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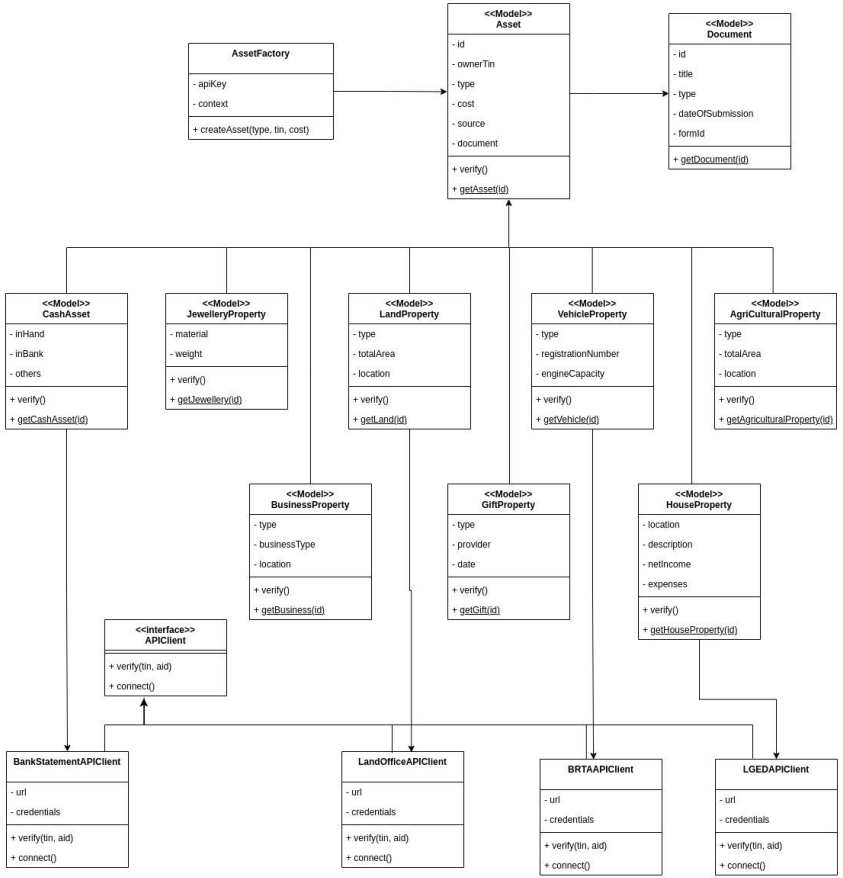
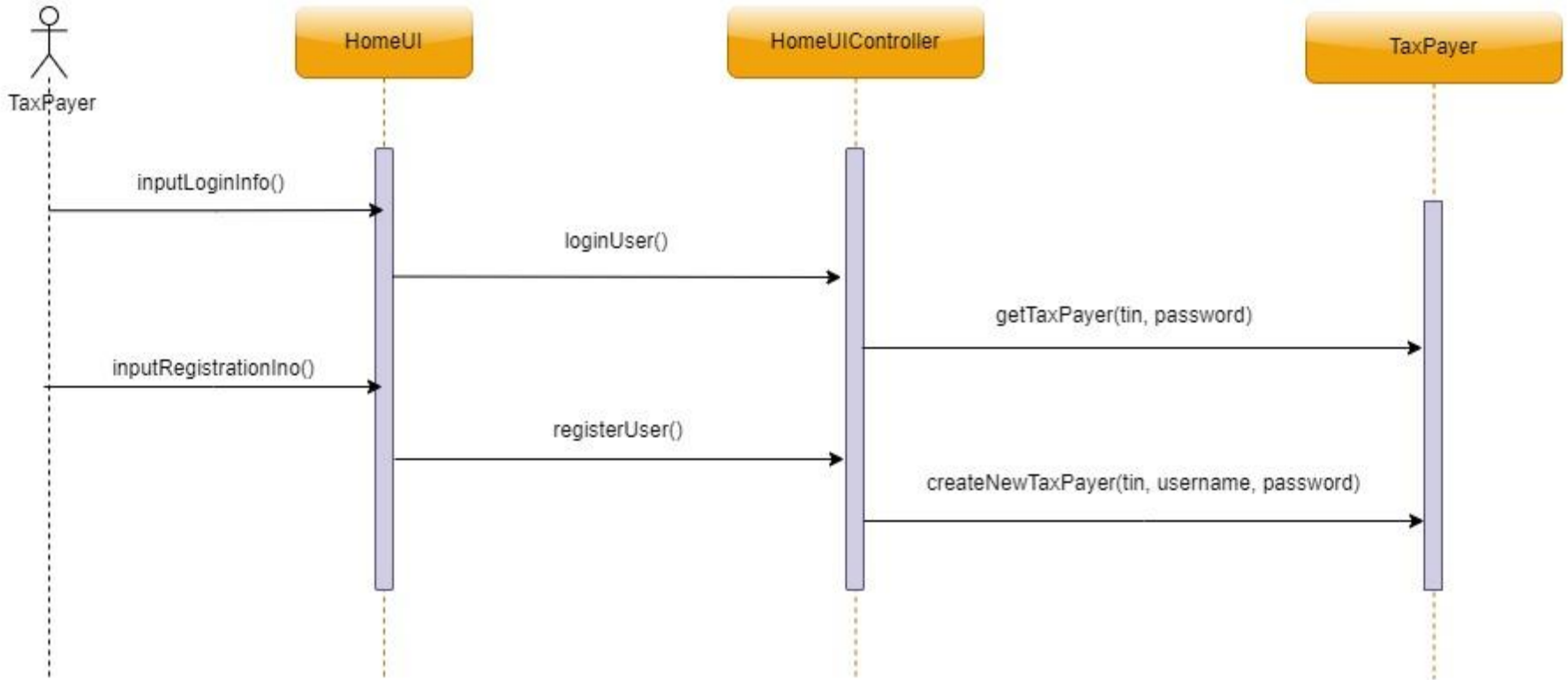
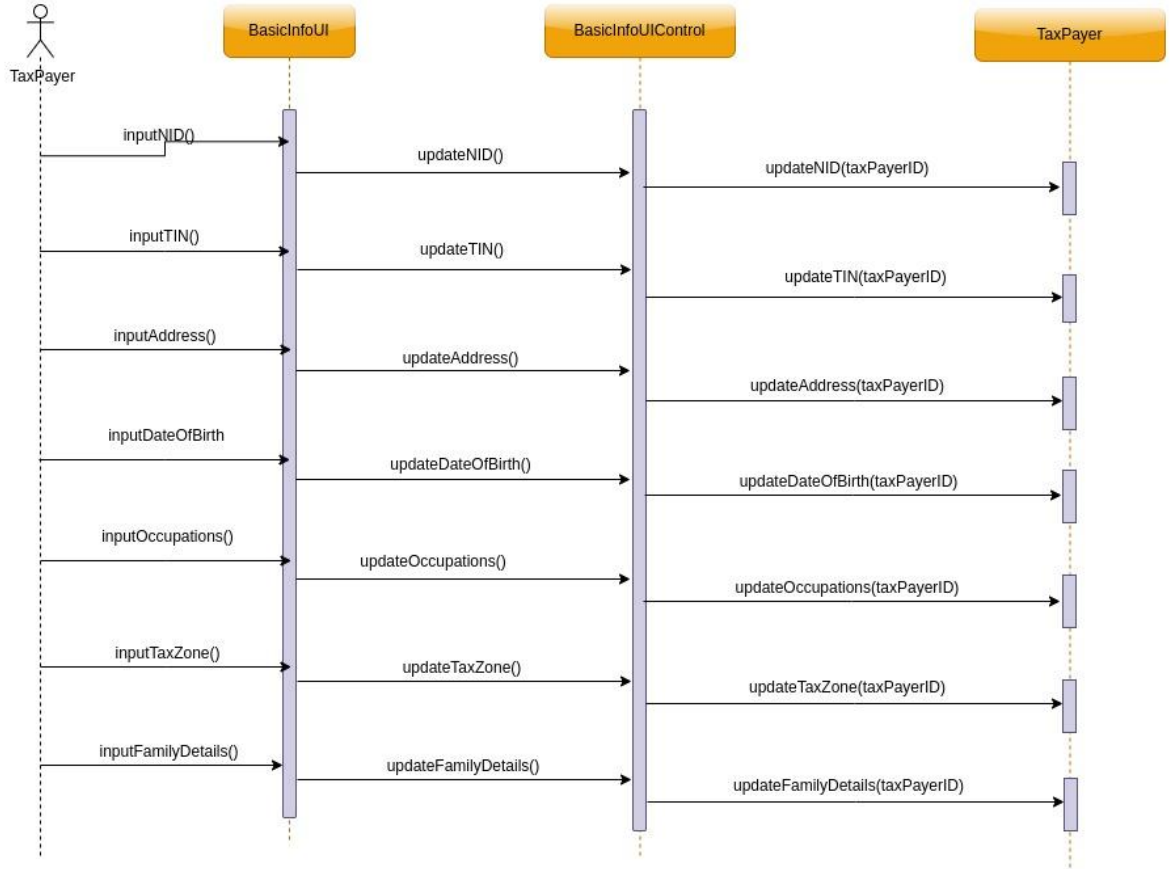
Class Diagram (Revised)



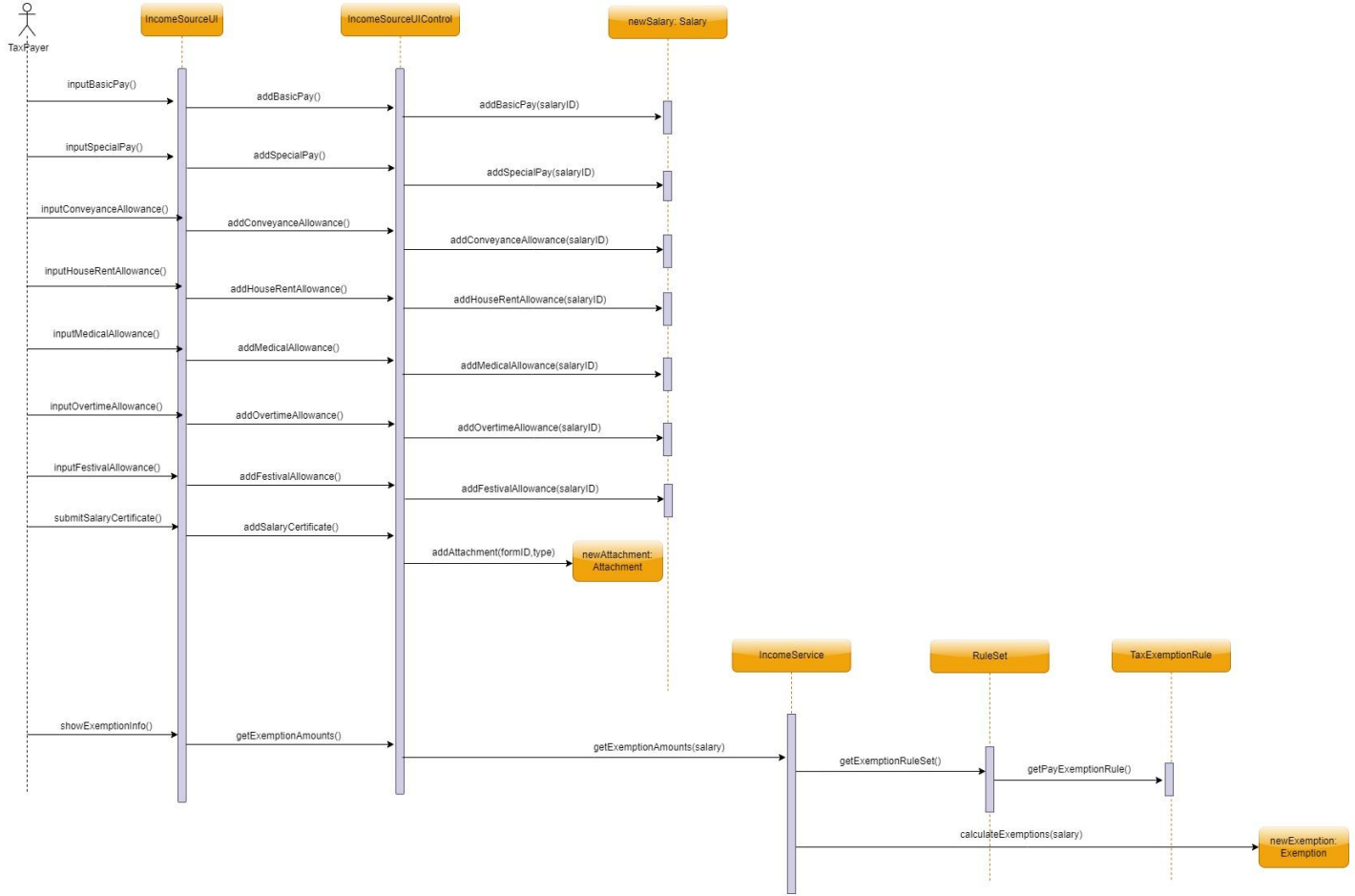
Homepage


TaxPayer
HomeUI
HomeUIController
TaxPayer
inputLoginInfo()
loginUser()
getTaxPayer(tin, password)
inputRegistrationIno()
registerUser()
createNewTaxPayer(tin, username, password)

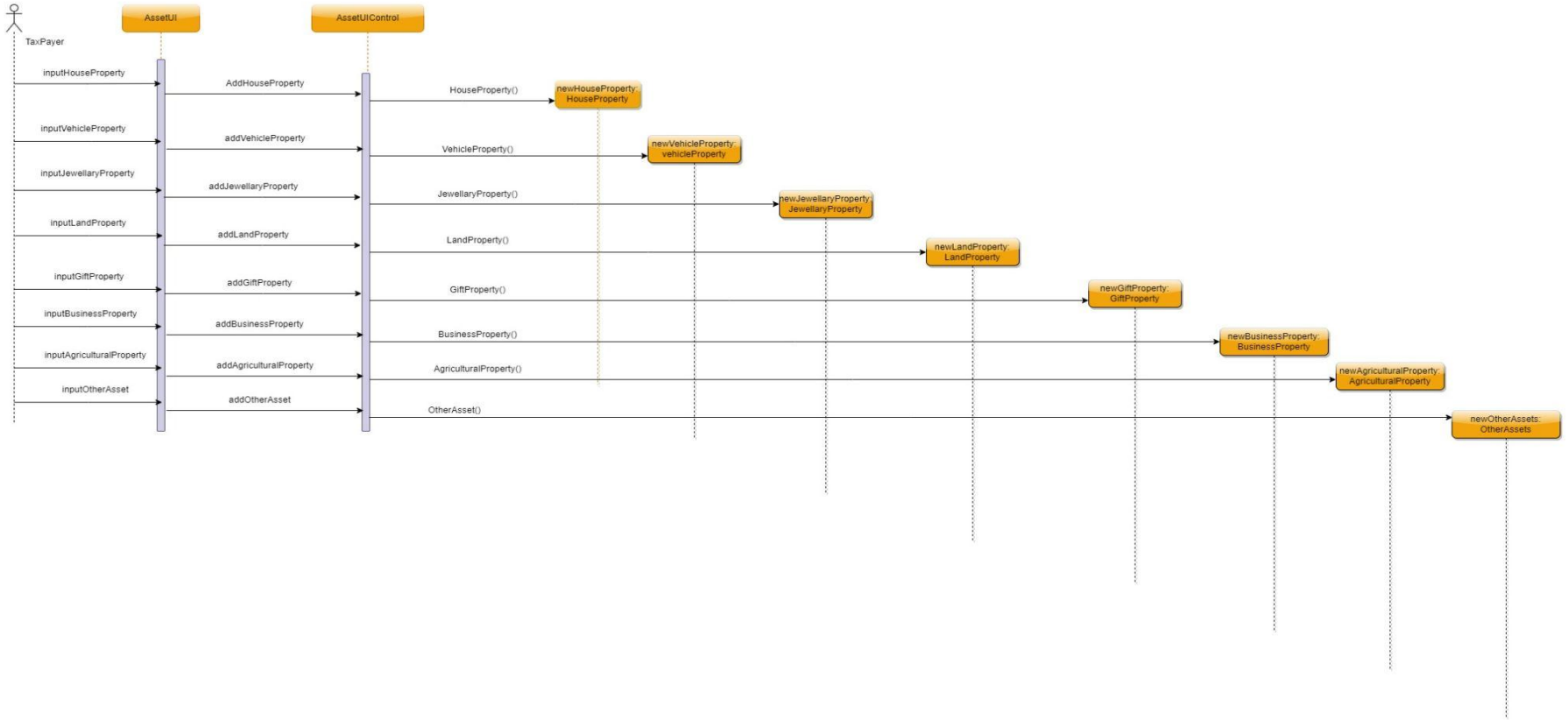
BasicInfo


TaxPayer
BasicInfoUI
BasicInfoUIControl
TaxPayer
inputNID()
updateNID()
updateNID(taxPayerID)
inputTIN()
updateTIN()
updateTIN(taxPayerID)
inputAddress()
updateAddress()
updateAddress(taxPayerID)
inputDateOfBirth
updateDateOfBirth()
updateDateOfBirth(taxPayerID)
inputOccupations()
updateOccupations()
updateOccupations(taxPayerID)
inputTaxZone()
updateTaxZone()
updateTaxZone(taxPayerID)
inputFamilyDetails()
updateFamilyDetails()
updateFamilyDetails(taxPayerID)

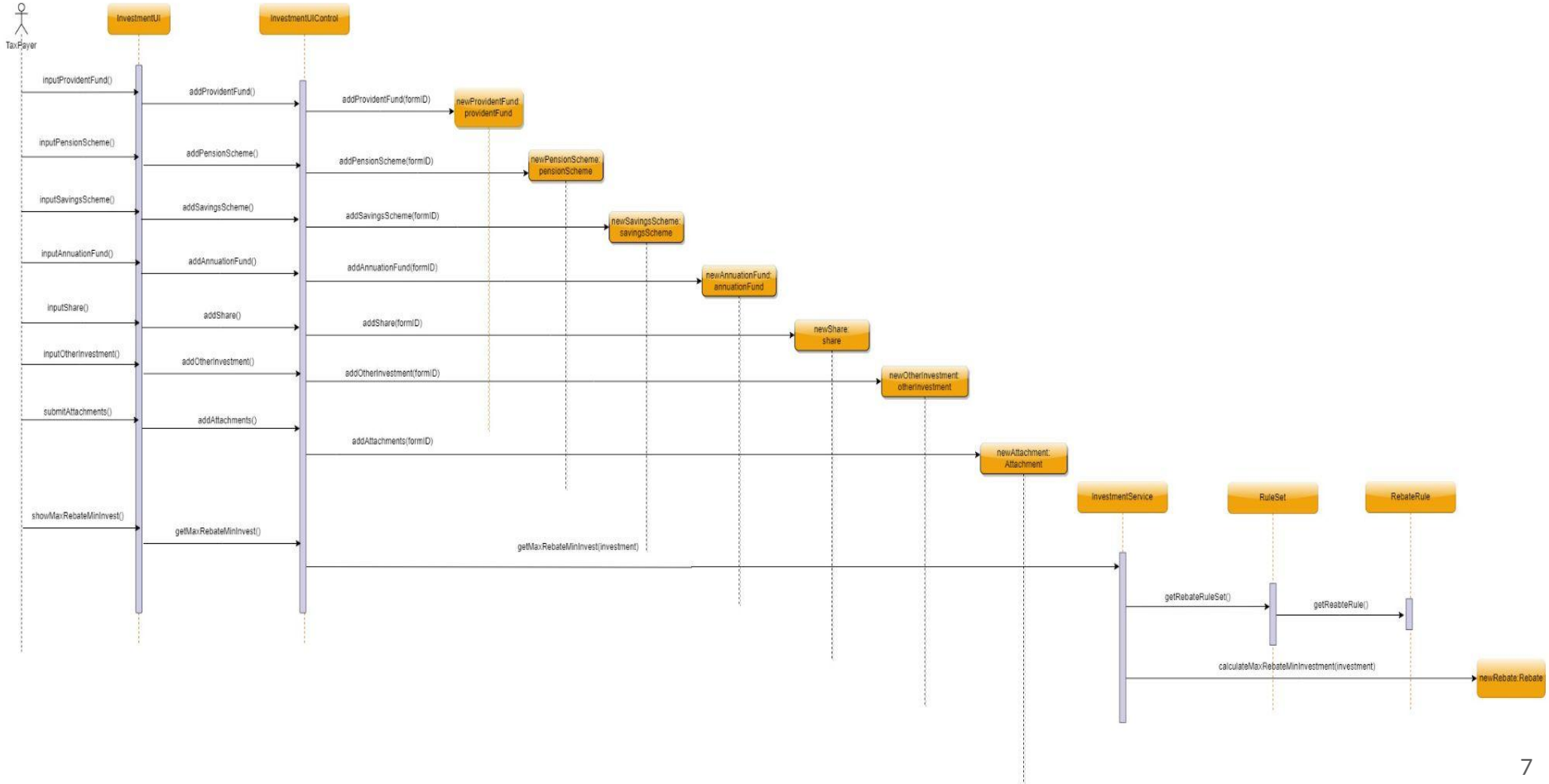
Income Source UI



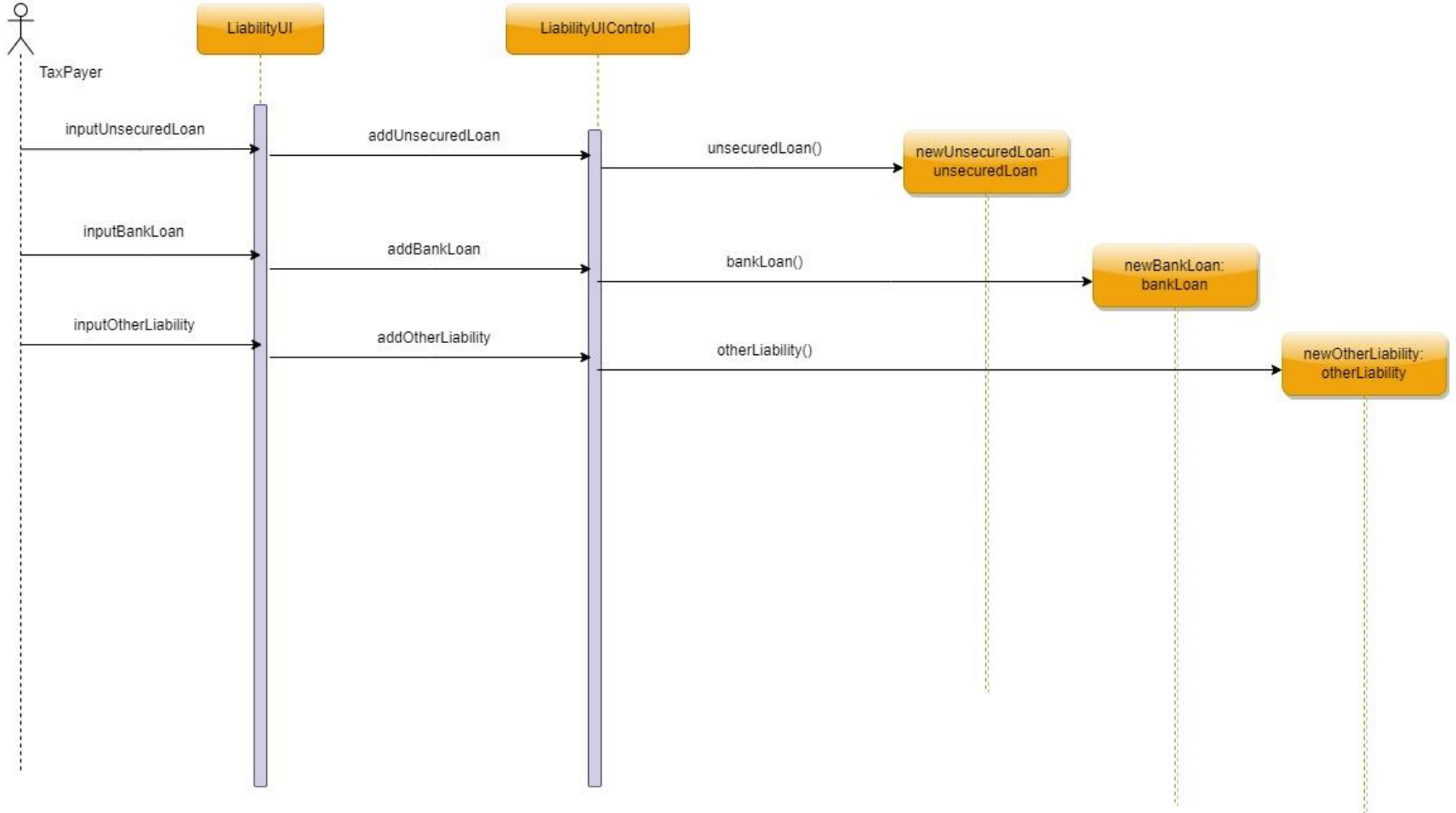
Asset


TaxPayer
AssetUI
AssetUIControl
inputHouseProperty
AddHouseProperty
HouseProperty()
newHouseProperty: HouseProperty
inputVehicleProperty
addVehicleProperty
VehicleProperty()
newVehicleProperty: vehicleProperty
inputJewellaryProperty
addJewellaryProperty
JewellaryProperty()
newJewellaryProperty: JewellaryProperty
inputLandProperty
addLandProperty
LandProperty()
newLandProperty: LandProperty
inputGiftProperty
addGiftProperty
GiftProperty()
newGiftProperty: GiftProperty
inputBusinessProperty
addBusinessProperty
BusinessProperty()
newBusinessProperty: BusinessProperty
inputAgriculturalProperty
addAgriculturalProperty
AgriculturalProperty()
newAgriculturalProperty: AgriculturalProperty
inputOtherAsset
addOtherAsset
OtherAsset()
newOtherAssets: OtherAssets

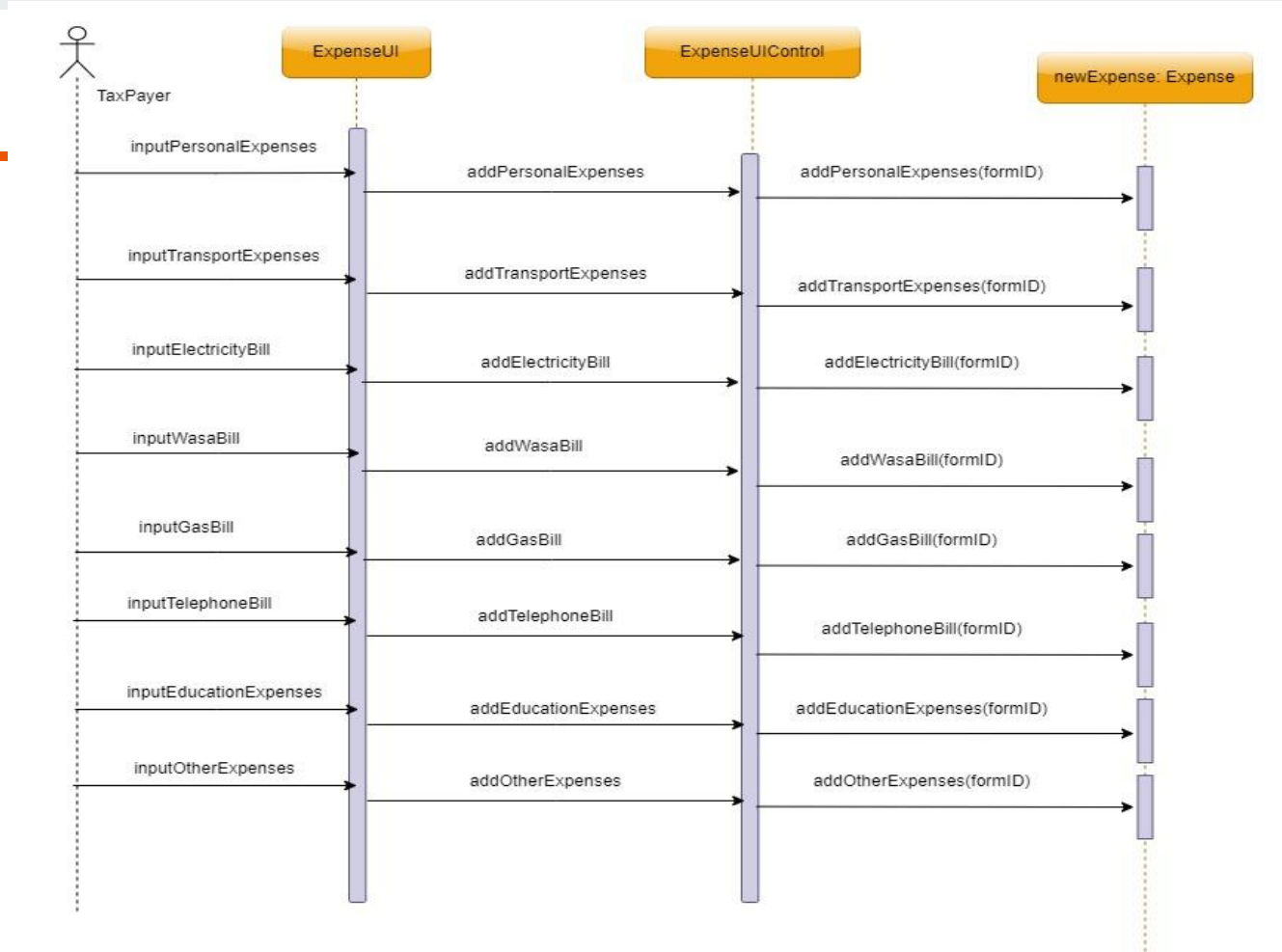
Investment


TaxPayer
InvestmentUI
InvestmentUIControl
inputProvidentFund()
addProvidentFund()
addProvidentFund(formID)
newProvidentFund: providentFund
inputPensionScheme()
addPensionScheme()
addPensionScheme(formID)
newPensionScheme: pensionScheme
inputSavingsScheme()
addSavingsScheme()
addSavingsScheme(formID)
newSavingsScheme: savingsScheme
inputAnnuationFund()
addAnnuationFund()
addAnnuationFund(formID)
newAnnuationFund: annuationFund
inputShare()
addShare()
addShare(formID)
newShare: share
inputOtherInvestment()
addOtherInvestment()
addOtherInvestment(formID)
newOtherInvestment: otherInvestment
submitAttachments()
addAttachments()
addAttachments(formID)
newAttachment: Attachment
investmentService
RuleSet
RebateRule
showMaxRebateMinInvest()
getMaxRebateMinInvest()
getMaxRebateMinInvest(investment)
getRebateRuleSet()
getReabteRule()
calculateMaxRebateMinInvestment(investment)
newRebate:Rebate

Liability

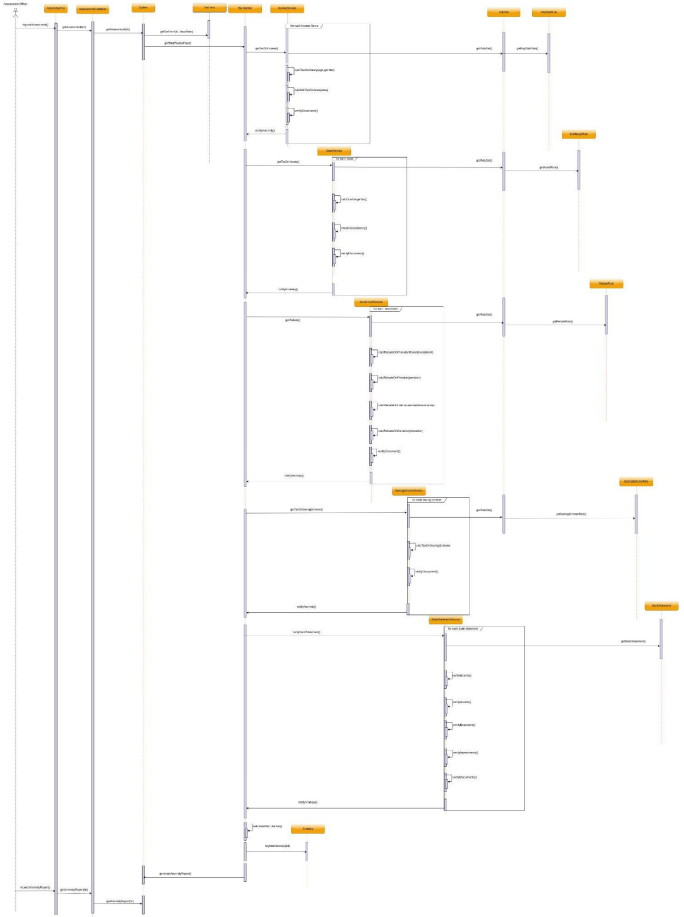

TaxPayer
LiabilityUI
LiabilityUIControl
inputUnsecuredLoan
addUnsecuredLoan
unsecuredLoan()
newUnsecuredLoan:
unsecuredLoan
inputBankLoan
addBankLoan
bankLoan()
newBankLoan:
bankLoan
inputOtherLiability
addOtherLiability
otherLiability()
newOtherLiability:
otherLiability

Expense

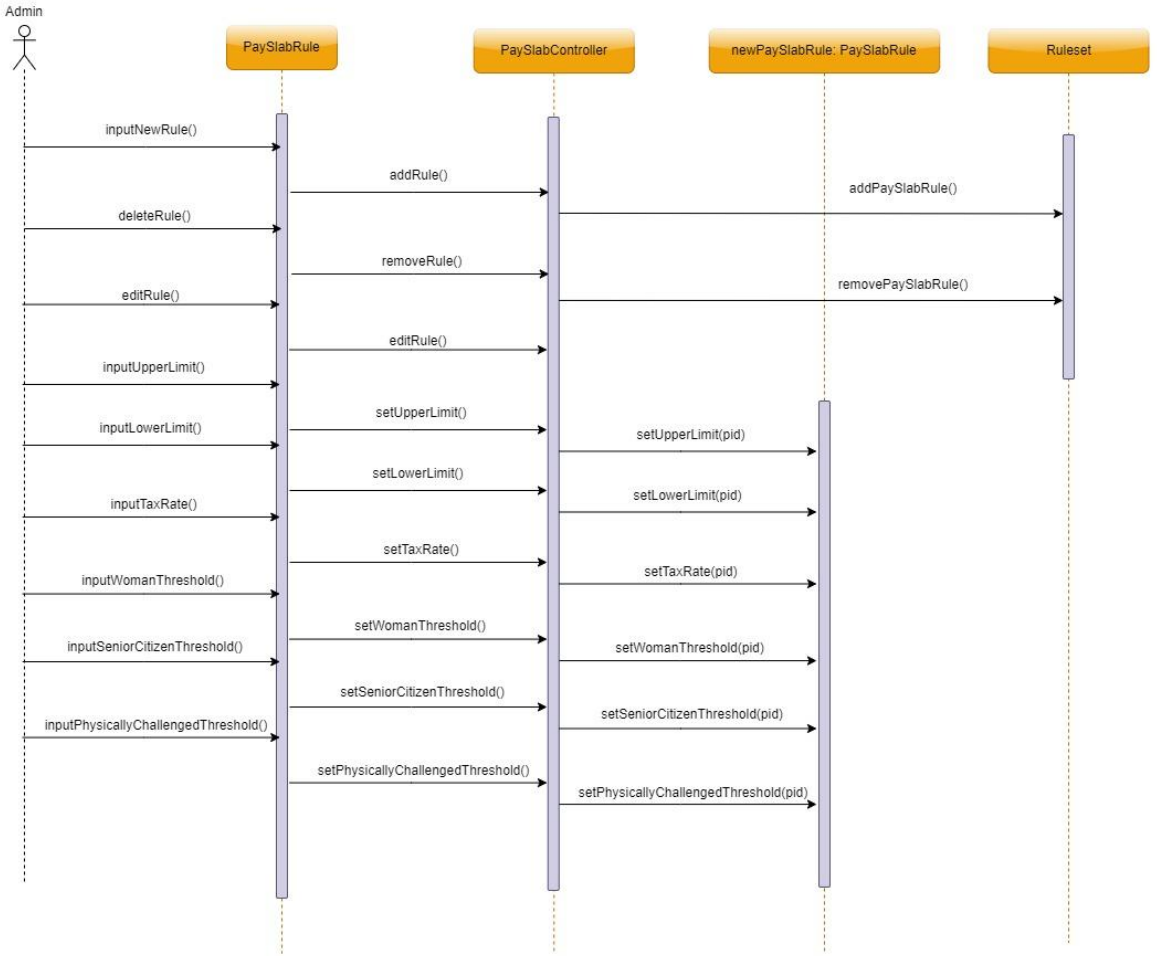

TaxPayer
ExpenseUI
ExpenseUIControl
newExpense: Expense
inputPersonalExpenses
addPersonalExpenses
addPersonalExpenses(formID)
inputTransportExpenses
addTransportExpenses
addTransportExpenses(formID)
inputElectricityBill
addElectricityBill
addElectricityBill(formID)
inputWasaBill
addWasaBill
addWasaBill(formID)
inputGasBill
addGasBill
addGasBill(formID)
inputTelephoneBill
addTelephoneBill
addTelephoneBill(formID)
inputEducationExpenses
addEducationExpenses
addEducationExpenses(formID)
inputOtherExpenses
addOtherExpenses
addOtherExpenses(formID)

Saving Scheme

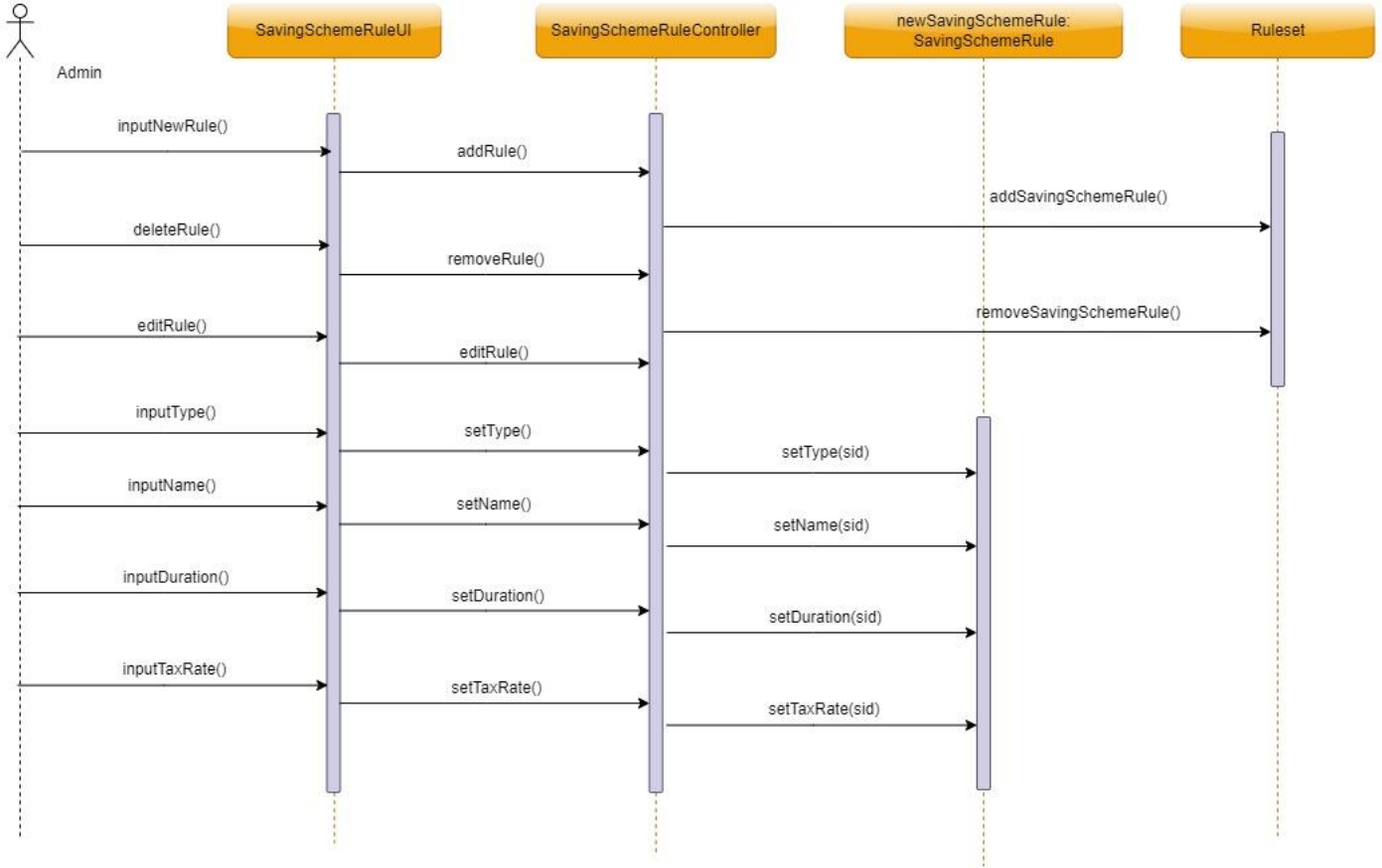
Service



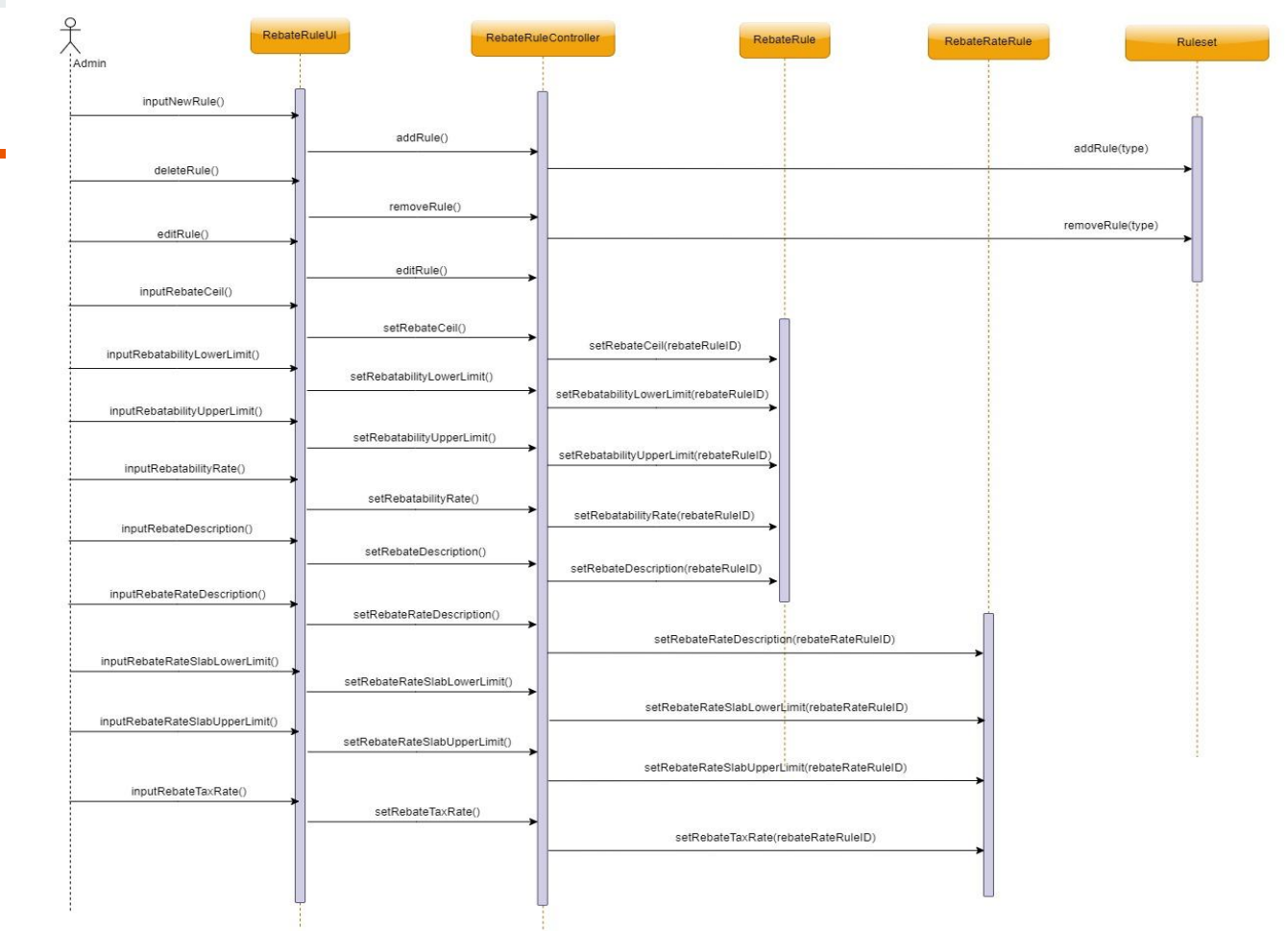
PaySlabRule



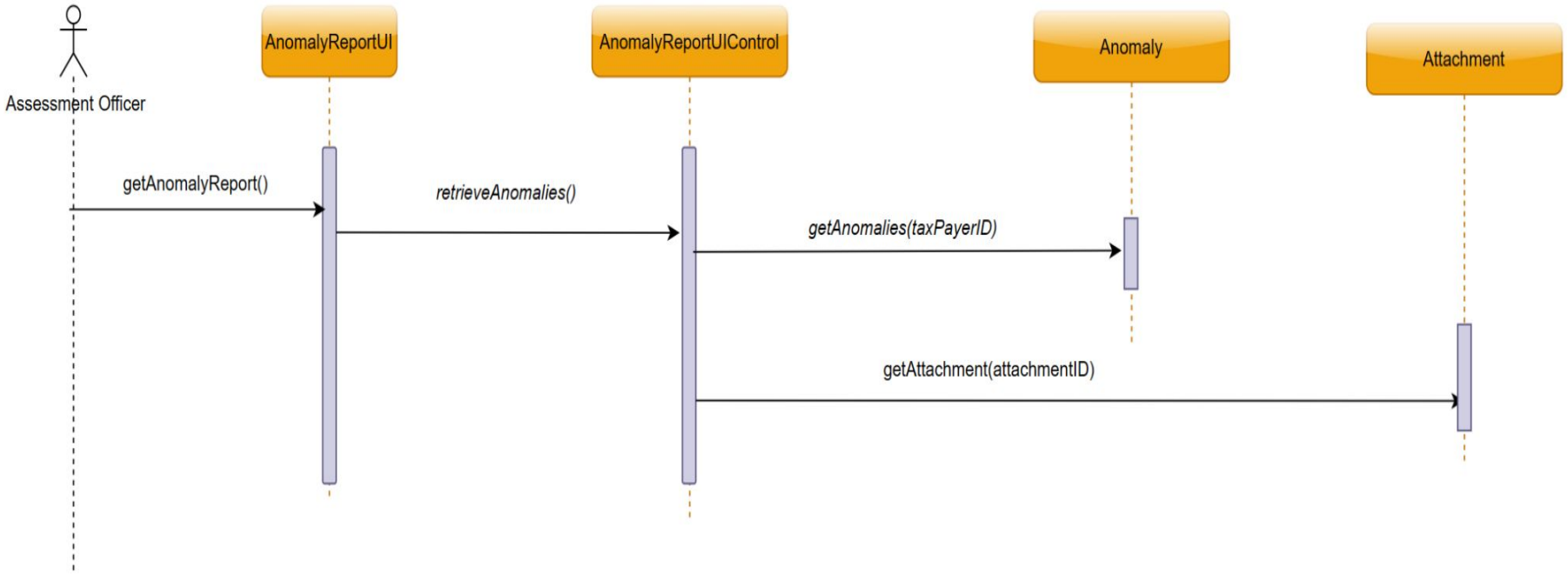
Saving Scheme Rule



Rebate Rule UI



Report View


Assessment Officer
AnomalyReportUI
AnomalyReportUIControl
Anomaly
Attachment
getAnomalyReport()
retrieveAnomalies()
getAnomalies(taxPayerID)
getAttachment(attachmentID)