

MessagesLayout

~ currentUser
~ selectedBid
~ selectedContract
~ msgListModel

+ MessagesLayout (User currentUser,
String bidId, String contractId)
- refresh (String bidId, String contractId)
+ actionPerformed (ActionEvent e)

Bid

+ Bid(User user, String type, String subjectId, int

competency, String hrsPerSession, String

sessionsPerWeek, String ratePerSession)

initiatorId

- type

inititatorName

dateCreated

subjectId

messages[]

competency

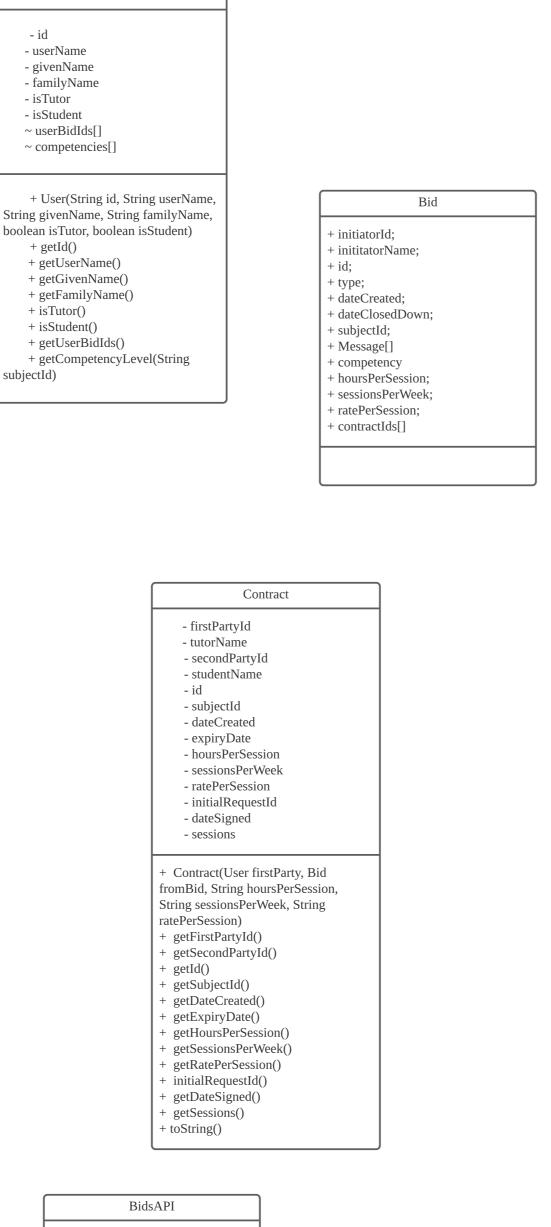
- hoursPerSession

- sessionsPerWeek

- ratePerSession

contractIds[]

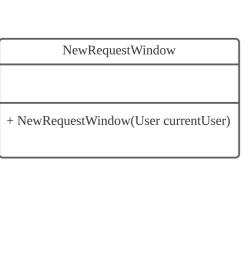
- dateClosedDown

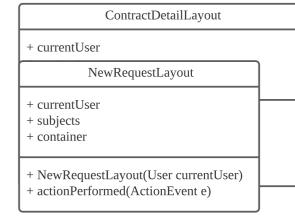


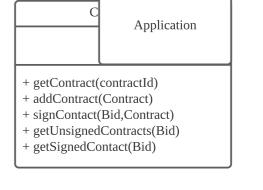
+ getBid(bidId) + addBid(Bid) + deleteBid(Bid)

+ closeBid(Bid)

```
APIWrapper
                                  + apiKey
                                    + postHttpRequest(jsonString,url)
                                    + getHttpRequest(url)
                                   + deleteHttpRequest(url)
                                   + updateHttpRequest(jsonString,url)
                                                                                                                                    Competency
                                                                LoginLayout
                                                                                                                          - ownerId
                                                                                                                           - subjectId
                                                       - serialVersionUID
                                                       + LoginLayout()
                                                                                                                           + Competency (jsonString)
                                                       + actionPerformed(ActionEvent e)
                                                                                                                           + getId ()
                                                                                                                          + getOwnerId ()
                                                                                                                          + getSubjectId ()
                                                                                                                          + getLevel ()
                                                                                                                               SubjectAPI
                                                                                                                     + getAllSubjects()
                                                                                                                     + getBidIds(Subject)
                                                       MessageAPI
                                                                                                                    UserAPI
                                              + sendMessage(Message)
          MessagesWindow
                                                                                                         + login(username,password)
 ~ MessagesWindow(User currentUser,
String bidId, String contractId)
                                                                                                                    LoginWindow
                                                              Message
                                                  + posterId
+ posterUserName
+ datePosted
                                                   + dateLastEdited
                                                   + content
```







ContractBuilderWindow