Class **LegacyBlockUser**

Attributes
-LegacyBlockUserDataTypes

Methods
+LegacyBlockUserMethods()


```
FUNCTION LegacyBlockUserDataTypes(input)
CALL LegacyBlockUserMethods()
END FUNCTION
```

Class **blockReason**

Attributes
-blockedStatus:boolean
-blockedReason:string
-blockedUserID:string{key}
-userID:string{key}
-visibilityStatus:boolean

Methods
+blockReason()
+blockReason(blockedStatus, blockReason, blockedUserID, userID, visibilityStatus)
+getblockedReason():string
+getblockedStatus():boolean
+getBlockedUserID():string
+getVisibilityStatus:boolean
+getUserID():string
+setBlockedReason(blockedReason: string)
+setBlockedStatus(blockedStatus: boolean)
+setVisibilityStatus(visiblityStatus: boolean)
+deleteBlockReason()
+displayBlockReason()

FUNCTION blockReason()
          RETURN NULL
     END FUNCTION

FUNCTION blockReason(blockedStatus, blockReason, blockedUserID, userID, visibilityStatus)
          GET blockedStatus, blockReason, getuserID, getvisibilityStatus
          IF blockedStatus == true (user is blocked)
               GET getblockedUserID
               IF visibilityStatus == true
                    Display blockReason
          DISPLAY "userID blocked you"
     END FUNCTION

FUNCTION getblockedReason
     RETURN BlockedReason
     END FUNCTION

```
FUNCTION blockedStatus (userID)
        GET blockedUserID, userID
                IF userID blocked blockedUserID
                SET blockedStatus to true
                        ELSE
                        SET blockedStatus to false
        END FUNCTION

        FUNCTION getBlockedUserID():
        RETURN blockedUserID
        END FUNCTION

        FUNCTION getUserID():
        RETURN userID
        END FUNCTION

        FUNCTION getVisibilityStatus():
        RETURN visibilityStatus
        END FUNCTION

        FUNCTION setBlockedReason(reason)
        SET blockedReason to reason
        END FUNCTION

        FUNCTION setBlockedStatus(status)
        SET blockedStatus to status
        END FUNCTION

        FUNCTION setVisibilityStatus(status)
        SET visibilityStatus to status
        END FUNCTION

        FUNCTION deleteBlockReason()
        SET blockedStatus to false
        SET blockedReason to""
        SET visibilityStatus to false
        END FUNCTION

        FUNCTION displayBlockReason()
        IF blockedStatus == true AND visibilityStatus == true THEN
                DISPLAY "Blocked by userID"
```

```
            DISPLAY "Reason: blockedReason"
ELSE
            DISPLAY "No block reason available.
END FUNCTION
```

Class **removeFollower**

Attributes
      -userID:string{key}
      -removedUserID:string{key}
      -followerStatus:boolean // true if user is still following, false if removed

Methods
      +removeFollower()
      +removeFollower(removedUserID)
      +getUserID():userID
      +getRemovedUserID():removedUserID
      +getFollowerStatus():followerStatus
      +setFollowerStatus(followerStatus: boolean)


```
FUNCTION removeFollower()
GET userID, removedUserID, followerStatus
SET userID to ""
SET removedUserID to""
SET followerStatus to false
DISPLAY "User " + removedUserID + " has been removed from " + userID + "'s
followers."
END FUNCTION


FUNCTION getUserID():
RETURN userID
END FUNCTION

FUNCTION getRemovedUserID():
RETURN removedUserID
END FUNCTION

FUNCTION getFollowerStatus():
RETURN followerStatus
END FUNCTION

FUNCTION setFollowerStatus(status)
SET followerStatus to status
END FUNCTION
```

END CLASS

Class **User**

Attributes
      -userName:string
      -userSettings:settings
      -userID:string{key}
Methods
      +User(userName,userSettings,userID)

FUNCTION User()
      RETURN userName,userSettings,userID
END FUNCTION

Class **communityBadge**

Attributes
- -profileSettings:settings
- -communityBadgeContent:
- -communityName:string
- -communityLink:string
- -communitySummary:string
- -communityIcon:icon

Methods
- +communityBadge()
- +communityBadge(profileSettings, communityBadgeContent, communityName, communityLink, communitySummary, communityIcon)
- +getProfileSettings():settings
- +getCommunityBadgeContent():string
- +getCommunityName():string
- +getCommunityLink():string
- +getCommunitySummary():string
- +getCommunityIcon():Icon
- +setCommunityName (communityName:string)
- +setCommunityLink (CommunityLink:string)
- +setCommunitySummary (communitySummary: string)
- +setCommunityIcon(icon)
- +setCommunityBadgeContent (communityBadgeContentstring)
- +setProfileSettings(settings)
- +deleteCommunityBadge()
- +displayCommunityBadge()

communityBadge()

FUNCTION communityBadge(profileSettings, communityBadgeContent, communityName, communityLink, communitySummary, communityIcon)
    SET self.profileSettings to profileSettings
    SET self.communityBadgeContent to communityBadgeContent
    SET self.communityName to communityName
    SET self.communityLink to communityLink
    SET self.communitySummary to communitySummary
    SET self.communityIcon to communityIcon
    END FUNCTION

getProfileSettings():settings
    RETURN settings
END FUNCTION

```
FUNCTION getCommunityBadgeContent():
    RETURN communityBadgeContent
    END FUNCTION


FUNCTION getCommunityName():
    RETURN communityName
    END FUNCTION

FUNCTION getCommunityLink():
    RETURN communityLink
    END FUNCTION

FUNCTION getCommunitySummary():
    RETURN communitySummary
    END FUNCTION

FUNCTION getCommunityIcon():
    RETURN communityIcon
    END FUNCTION

FUNCTION setCommunityName(communityName)
    SET self.communityName to communityName
    END FUNCTION

FUNCTION setCommunityLink(communityLink)
    SET self.communityLink to communityLink
    END FUNCTION

FUNCTION setCommunitySummary(communitySummary)
    SET self.communitySummary to communitySummary
    END FUNCTION

FUNCTION setCommunityIcon(icon)
    SET self.communityIcon to icon
    END FUNCTION

FUNCTION setCommunityBadgeContent(content: STRING)
    SET self.communityBadgeContent to content
    END FUNCTION

    FUNCTION setProfileSettings(settings: SETTINGS)
    SET self.profileSettings to settings
    END FUNCTION
```

```
FUNCTION deleteCommunityBadge()
SET profileSettings to NULL
SET communityBadgeContent to ""
SET communityName to ""
SET communityLink to""
SET communitySummary to ""
SET communityIcon to NULL
DISPLAY "Community badge has been deleted."
END FUNCTION

FUNCTION displayCommunityBadge()
DISPLAY "Community Badge:"
DISPLAY  communityName
DISPLAY "communityLink
DISPLAY  communitySummary
DISPLAY communityBadgeContent
DISPLAY communityIcon
END FUNCTION

END CLASS
```

Class **profile**

Attributes
- -unchangedProfileData:data
- -follower:userID
- -followerCount:int
- -verification:boolean
- -badge:badge
- -appTheme:theme
- -profileTheme:theme

Methods
- +profile()
- +profile(-unchangedProfileInformation, follower, userID, followerCount, verification, badge,appTheme, profileTheme:
- +setUnchangedProfileData(unchangedProfileData)
- +setFollowerCount(followerCount: int)
- +setFollower(follower: userID)
- +setVerification(verification: boolean)
- +setBadge(badge)
- +setAppTheme(theme)
- +setProfileTheme(theme)
- +getUnchangedProfileData():unchangedProfileData
- +getFollowerCount():int
- +getFollower():user ID
- +getVerifcation():boolean
- +getBadge():badge
- +getAppTheme():theme
- +getProfileTheme():theme
- +deleteProfile()
- +displayProfile()

FUNCTION profile(unchangedProfileData, follower, followerCount, verification, badge, appTheme, profileTheme)
- RETURN unchangedProfileData
- RETURN follower
- RETURN followerCount
- RETURN verification
- RETURN badge
- RETURN appTheme
- RETURN profileTheme
- END FUNCTION

```
FUNCTION setUnchangedProfileData(unchangedProfileData)
SET self.unchangedProfileData to unchangedProfileData
END FUNCTION

FUNCTION setFollowerCount(followerCount: INTEGER)
SET self.followerCount to followerCount
END FUNCTION

FUNCTION setFollower(follower: USERID)
SET self.follower to follower
END FUNCTION

FUNCTION setVerification(verification: BOOLEAN)
SET self.verification to verification
END FUNCTION

FUNCTION setBadge(badge: BADGE)
SET self.badge to badge
END FUNCTION

FUNCTION setAppTheme(theme: THEME)
SET self.appTheme to theme
END FUNCTION

FUNCTION setProfileTheme(theme: THEME)
SET theme.unchangedProfileData to unchangedProfileData
SET them.follower to follower
SET theme.followerCount to followerCount
SET theme.verification to verification
SET theme.badge to badge
SET theme.appTheme to appTheme
SET theme.profileTheme to profileTheme
END FUNCTION

FUNCTION getUnchangedProfileData(): DATA
RETURN unchangedProfileData
END FUNCTION

FUNCTION getFollowerCount(): INTEGER
RETURN followerCount
END FUNCTION

FUNCTION getFollower(): USERID
RETURN follower
```

```
    END FUNCTION

    FUNCTION getVerification(): BOOLEAN
    RETURN verification
    END FUNCTION

    FUNCTION getBadge(): BADGE
    RETURN badge
    END FUNCTION

    FUNCTION getAppTheme(): THEME
    RETURN appTheme
    END FUNCTION

    FUNCTION getProfileTheme(): THEME
    RETURN profileTheme
    END FUNCTION

    FUNCTION deleteProfile()
    SET unchangedProfileData to NULL
    SET follower to ""
    SET followerCount to 0
    SET verification to false
    SET badge to NULL
    SET appTheme to NULL
    SET profileTheme to NULL
    DISPLAY "Profile deleted."
    END FUNCTION

    FUNCTION displayProfile()
    DISPLAY "Profile Info:"
    DISPLAY follower
    DISPLAY followerCount
    DISPLAY verification
    DISPLAY badge
    DISPLAY appTheme
    DISPLAY profileTheme
    END FUNCTION

END CLASS
```

Class **appWideTheme**

Attributes
       -appTheme:theme
       -editableUIElement1:UI
       -editabelUIElement2:UI
       -editableUIElement3:UI
       -userID:string{key}
Methods
       +appwideTheme()
       +appwideTheme(appTheme, editableUIElement1, editableUIElement2, editableUIElement3, userID)
       +getUserID():string
       +getAppTheme():theme
       +getEditableUIElement1():ui
       +getEditableUIElement2():ui
       +getEditableUIElement3():ui
       +setEditableUIElement1(ui)
       +setEditableUIElement2(ui)
       +setEditableUIElement3(ui)
       +setAppTheme(theme)
       +deleteAppTheme()
       +displayAppTheme()

FUNCTION appWideTheme()
       GET userID
       SET appTheme to NULL
       SET editableUIElement1 to NULL
       SET editableUIElement2 to NULL
       SET editableUIElement3 to NULL
       END FUNCTION

       FUNCTION appWideTheme(appTheme, editableUIElement1, editableUIElement2, editableUIElement3, userID)
       GET userID
       SET self.appTheme to appTheme
       SET self.editableUIElement1 to editableUIElement1
       SET self.editableUIElement2 to editableUIElement2
       SET self.editableUIElement3 to editableUIElement3
       END FUNCTION

```
FUNCTION getUserID(): STRING
    RETURN userID
    END FUNCTION


FUNCTION getAppTheme(): THEME
    RETURN appTheme
    END FUNCTION


FUNCTION getEditableUIElement1(): UI
    RETURN editableUIElement1
    END FUNCTION


FUNCTION getEditableUIElement2(): UI
    RETURN editableUIElement2
    END FUNCTION


FUNCTION getEditableUIElement3(): UI
    RETURN editableUIElement3
    END FUNCTION


FUNCTION setEditableUIElement1(ui: UI)
    SET editableUIElement1 to ui
    END FUNCTION


    FUNCTION setEditableUIElement2(ui: UI)
    SET editableUIElement2 to ui
    END FUNCTION


    FUNCTION setEditableUIElement3(ui: UI)
    SET editableUIElement3 to ui
    END FUNCTION


    FUNCTION setAppTheme(theme: THEME)
    SET appTheme to theme
    END FUNCTION


    FUNCTION deleteAppTheme()
    SET appTheme to NULL
    SET editableUIElement1 to NULL
    SET editableUIElement2 to NULL
    SET editableUIElement3 to NULL
    DISPLAY "App-wide theme deleted"
    END FUNCTION
```

```
FUNCTION displayAppTheme()
DISPLAY appTheme
DISPLAY editableUIElement1
DISPLAY editableUIElement2
DISPLAY editableUIElement3
END FUNCTION

END CLASS
```

Class **profileTheme**

Attributes

      -profileTheme:theme
      -editableUIElement1:UI
      -editableUIElement2:UI
      -editableUIElement3:UI
      -userID:string{key}

Methods

      +profileTheme()
      +profileTheme(profileTheme, editableUIElement1, editableUIElement2, editableUIElement3, userID)
      +getUserID():string
      +getProfileTheme():theme
      +getEditableUIElement1():ui
      +getEditableUIElement2():ui
      +getEditableUIElement3():ui
      +setEditableUIElement1(ui)
      +setEditableUIElement2(ui)
      +setEditableUIElement3(ui)
      +setProfileTheme(theme)
      +deleteAppTheme()
      +displayProfileTheme()

```
FUNCTION profileTheme()
    SET profileTheme to NULL
    SET editableUIElement1 to NULL
    SET editableUIElement2 to NULL
    SET editableUIElement3 to NULL
    SET userID to ""
    END FUNCTION


FUNCTION profileTheme(profileTheme, editableUIElement1, editableUIElement2, editableUIElement3, userID)
    SET self.profileTheme to profileTheme
    SET self.editableUIElement1 to editableUIElement1
    SET self.editableUIElement2 to editableUIElement2
    SET self.editableUIElement3 to editableUIElement3
    SET self.userID to userID
    END FUNCTION
```

```
FUNCTION getUserID():
RETURN userID
END FUNCTION

FUNCTION getProfileTheme():
RETURN profileTheme
END FUNCTION

FUNCTION getEditableUIElement1(): UI
RETURN editableUIElement1
END FUNCTION

FUNCTION getEditableUIElement2(): UI
RETURN editableUIElement2
END FUNCTION

FUNCTION getEditableUIElement3(): UI
RETURN editableUIElement3
END FUNCTION

FUNCTION setEditableUIElement1(ui)
SET editableUIElement1 to ui
END FUNCTION

FUNCTION setEditableUIElement2(ui)
SET editableUIElement2 to ui
END FUNCTION

FUNCTION setEditableUIElement3(ui)
SET editableUIElement3 to ui
END FUNCTION

FUNCTION setProfileTheme(theme)
SET profileTheme to theme
END FUNCTION

FUNCTION deleteProfileTheme()
SET profileTheme to NULL
SET editableUIElement1 to NULL
SET editableUIElement2 to NULL
SET editableUIElement3 to NULL
DISPLAY "Profile theme deleted"
END FUNCTION
```

```
FUNCTION displayProfileTheme()
DISPLAY userID
DISPLAY profileTheme
DISPLAY editableUIElement1
DISPLAY editableUIElement2
DISPLAY editableUIElement3
END FUNCTION

END CLASS
```

Class **verification**

Attributes

       -verificationReason:string

       -verificationStatus:boolean

       -userID:string{key}

Methods

       +verification()

       +verification(verificationReason, verificationStatus, userID)

       +getUserID():string

       +getVerificationReason():string

       +getVerificationStatus():boolean

       +setVerificationReason(verificationReason:string)

       +setVerificationStatus(verificationStatus:boolean)

       +deleteVerification()

       +displayVerifcationInformation()

```
FUNCTION verification()
        SET verificationReason to ""
        SET verificationStatus to false
        SET userID to ""
        END FUNCTION


   FUNCTION verification(verificationReason, verificationStatus, userID)
        SET self.verificationReason to verificationReason
        SET self.verificationStatus to true
        SET self.userID to userID
        END FUNCTION

        FUNCTION getUserID():
        RETURN userID
        END FUNCTION

        FUNCTION getVerificationReason():
        RETURN verificationReason
        END FUNCTION

        FUNCTION getVerificationStatus():
        RETURN verificationStatus
        END FUNCTION
```

```
        FUNCTION setVerificationReason(verificationReason)
        SET self.verificationReason to verificationReason
        END FUNCTION

        FUNCTION setVerificationStatus(verificationStatus)
        SET self.verificationStatus to verificationStatus
        END FUNCTION

        FUNCTION deleteVerification()
        SET verificationReason to ""
        SET verificationStatus to false
        DISPLAY "Verification data deleted for userID"
        END FUNCTION

        FUNCTION displayVerificationInformation()
        DISPLAY verificationStatus
        DISPLAY verificationReason
        END FUNCTION

END CLASS
```

Class **contentFilter**

Attributes
- -contentFilter:filter
- -contentFiltertext:string

Methods
- +contentFilter()
- +contentFilter(contentFilter, contentFilterText)
- +getContentFIlter():filter
- +getContentFilterText():string
- +setContentFIlter(contentFilter:string)
- +setContentFilterText(contentFilterText:string)
- +deleteContentFilter()
- +displayContentFilter()

```
FUNCTION contentFilter()
        SET contentFilter to NULL
        SET contentFilterText to ""
        END FUNCTION

  FUNCTION contentFilter(contentFilter, contentFilterText)
        SET self.contentFilter to contentFilter
        SET self.contentFilterText to contentFilterText
        END FUNCTION

        FUNCTION getContentFilter(): FILTER
        RETURN contentFilter
        END FUNCTION

        FUNCTION getContentFilterText(): STRING
        RETURN contentFilterText
        END FUNCTION

        FUNCTION setContentFilter(contentFilter: FILTER)
        SET self.contentFilter to contentFilter
        END FUNCTION
```

```
FUNCTION setContentFilterText(contentFilterText: STRING)
SET self.contentFilterText to contentFilterText
END FUNCTION

FUNCTION deleteContentFilter()
SET contentFilter to NULL
SET contentFilterText to ""
DISPLAY "Content filter removed"
END FUNCTION

FUNCTION displayContentFilter()
DISPLAY contentFilter
DISPLAY contentFilterText
END FUNCTION

END CLASS
```

Class **LegacyContentFiltering**

Attributes

  -LegacyContentFilteringDataTypes

Methods

  +LegacyContentFilteringMethods()


```
FUNCTION LegacyContentFilteringDataTypes(input)
CALL LegacyContentFilteringMethods()
END FUNCTION
```