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
```

Class **LegacyPost**

Attributes
-LegacyPostDataTypes

Methods
+LegacyPostMethods()

FUNCTION LegacyPostDataTypes(input)
CALL LegacyPostMethods()
END FUNCTION