Racial Bias Reporter
Design Class Diagram - Brian Rentsch

<<Entity>>
IncidentReport

- victimID: string
- victimSchool: School
- incidentDescription: string
- incidentLocation: string
- incidentTime: string
- incidentDate: string
- anonymity: boolean
- resolutionStatus: string
- reportNumber: integer

+ createIncidentReport(victimID, victimSchool, anonymity) : IncidentReport
+ getID(): string
+ setID(victimID)
+ getSchool(): School
+ setSchool(victimSchool)
+ getDescription(): string
+ setDescription(incidentDescription)
+ getLocation(): string
+ setLocation(incidentLocation)
+ getTime(): string
+ setTime(incidentTime)
+ getDate(): string
+ setDate(incidentDate)
+ getAnonymity(): boolean
+ getResolutionStatus(): string
+ setResolutionStatus(resolutionStatus)

<<Control>>
ReportHandler

- submissionStatus: boolean

+ createReportHandler(): ReportHandler
+ validateReport(victimReport): boolean
- submitReport(victimReport): boolean
+ getSubmissionStatus(): boolean
+ retrieveReport(victimID): IncidentReport
+ retrieveReports(school): Array[IncidentReports]

<<Control>>
LoginHandler

- loginStatus: boolean

+ createLoginHandler(): LoginHandler
+ checkFacultyLogin(facultyPassword, facultySchool): boolean
+ checkVictimID(victimID): boolean
- addVictimID(victimID)
+ addAccount(School)
+ getLoginStatus(): boolean

<<Entity>>
School

- schoolName: string
- schoolAddress: string
- schoolCity: string
- schoolState: string
- schoolZIP: string
- numReports: integer
- password: string

+ createSchool(name, address, city, state, ZIP, password): School
+ getName(): string
+ setName(schoolName)
+ getAddress(): string
+ setAddress(schoolAddress)
+ getCity(): string
+ setCity(schoolCity)
+ getState(): string
+ setState(schoolState)
+ getZIP(): string
+ setZIP(schoolZIP)
+ getNumReports(): integer
+ checkPassword(password): boolean
- getPassword(): string

<<Boundary>>
ViewHandler

- viewStatus: boolean

+ createViewHandler(): ViewHandler
+ updateFacultyView(facultySchool): boolean
+ newReportView(): boolean
+ newAccountView(): boolean
+ updateVictimView(victimID): boolean
+ getViewStatus(): boolean