***In Page Form Validation:***

*Health & Safety Form Validation and Notification*

***Views.py***

@app.route(**'/health/'**, methods =[**"GET"**, **"POST"**])  
@login\_required  
**def** reportHAS():  
  
 issue = dict(Issue\_Number=**""**, Date=**""**, Time=**""**, Person\_Name=**""**, Department=**""**, Description=**""**, Supervisor=**""**, Place\_in\_campus=**""**, Resolution\_Date=**""**, Resolution\_Time=**""**, Resolution\_Description=**""**)  
 **if** request.method == **"POST"**:  
  
 issue[**'Date'**] = str(request.form[**'date'**]).replace(**"-"**,**"/"**)  
 issue[**'Time'**] = str(request.form[**'time'**])  
 issue[**'Description'**] = str(request.form[**'description'**])  
  
 issue[**'Place\_in\_campus'**] = str(request.form[**'location'**])  
 issue[**'Department'**] = convertDepartment(str(request.form[**'department'**]))  
  
 issue[**'Person\_Name'**] = str(request.form[**'fname'**])  
 print(**"print statement2"**)  
 issue[**'Supervisor'**] = str(request.form[**'supervisor'**])  
  
 **try**:  
 issue[**'Resolution\_Date'**] = setResolved(str(request.form[**'res\_date'**]))  
 issue[**'Resolution\_Time'**] = setResolved(str(request.form[**'res\_time'**]))  
 issue[**'Resolution\_Description'**] = setResolved(str(request.form[**'res\_description'**]))  
 **except**:  
 issue[**'Resolution\_Date'**] = setResolved(**""**)  
 issue[**'Resolution\_Time'**] = setResolved(**""**)  
 issue[**'Resolution\_Description'**] = setResolved(**""**)  
  
 errors = **''  
  
 if** emptyField(issue[**'Date'**]) **or** emptyField(issue[**'Time'**]) **or** emptyField(issue[**'Description'**]) **or** emptyField(issue[**'Place\_in\_campus'**]) **or** emptyField(issue[**'Department'**]):  
 errors = **"Please enter all the fields."** print(**"errors detected"**,errors)  
 print (issue)  
 **if not** numsField(issue[**'Person\_Name'**] **or** numsField(issue[**'Supervisor'**])):  
 errors = **"Names should not contain numbers"** print(**"errors detected"**,errors)  
 **if not** emptyField(issue[**'Date'**]):  
 **if** datelimitField(issue[**'Date'**]):  
 errors = **"Please enter current or past date"** print(**"errors detected"**,errors)  
 print(issue)  
 **if not** errors:  
 print(**"No errors"**)  
 addIssue(issue)  
 **return** redirect(url\_for(**'index'**))  
 **else**:  
 **return** render\_template(**"addHealth.html"**, errors=errors, info = getHeaderInfo())  
 **else**:  
 **return** render\_template(**"addhealth.html"**, errors=[], info = getHeaderInfo())

***addhealth.html***

{% **if errors** %}  
 <**div class="alert alert-danger"**>  
 {{ **errors** }}  
 </**div**>  
{% **endif** %}

*Visitor Validation and Notification*

***Views.py***

@app.route(**'/visitor'**)  
**def** visitor():  
 visit = dict(Name=**""**, Email=**""**)  
 **if** request.method == **"POST"**:  
  
 visit[**'Name'**] = str(request.form[**'name'**]).replace(**"-"**,**"/"**)  
 visit[**'Email'**] = str(request.form[**'email'**])  
  
 **if** emptyField(visit[**'Name'**]) **or** emptyField(visit[**'Email'**]):  
 errors = **"Please enter all the fields."** print(**"errors detected"**,errors)  
 print (visit)  
 **if not** numsField(visit[**'Name'**]):  
 errors = **"Names should not contain numbers"** print(**"errors detected"**,errors)  
 **if not** emptyField(visit[**'Email'**]):  
 **if** emailField(visit[**'Email'**]):  
 errors = **"Please enter proper email format."** print(**"errors detected"**, errors)  
 print(visit)  
 **if not** errors:  
 print(**"No errors"**)  
 addIssue(visit)  
 **return** redirect(url\_for(**'index'**))  
 **else**:  
 **return** render\_template(**"visitor.html"**, info=getHeaderInfo())  
 **else**:  
 **return** render\_template(**"visitor.html"**, info=getHeaderInfo())