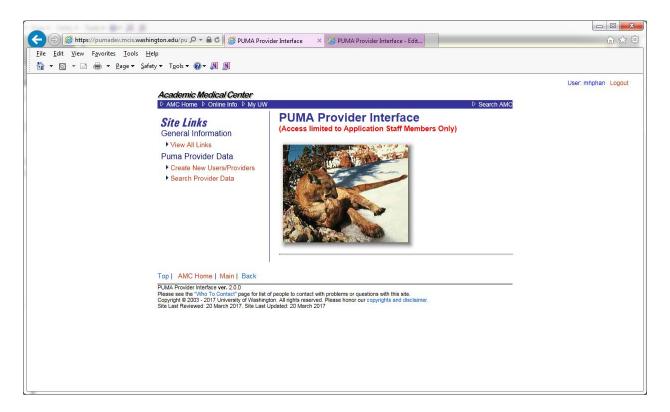
### Java PUMA release notes

CSI - Oct. 18th, 2017

Java PUMA release notes – In as much as possible, Java PUMA strives to achieve functional and lookand-feel parity of the existing ASP PUMA application. The advantages of migrating PUMA from the MS Windows legacy ASP architecture to Linux Java are performance, supportability, security, upgradability, and feature development. Since these advantages stem from the software platform, they might not be readily apparent from the user's perspective. However, there are instances where the changes were introduced to address obvious UI shortcomings of the current application. These changes should not affect PUMA data or data processing.



# New Functionality and Workflow

 Edit Phones returns 'regular' entries first – Per user's request, the 'Regular' phone records will be shown first since they are referenced the most. You must now also select the radio button next to the row you would like to edit or update, perform your updates, and then select either "U" or "Add". The delete function will work regardless of selection.

Phone numbers for 308159     Type   Phone Number   Ext.   International Nbr.   Contact   Contact Instructions   Update Date-Time   Action     Cell   111-111-1111   Image: Second Sec	Add New Record Close Window										
Cell     111-111-1111     7/11/2017 3:13:19 PM     E   D				Phone	number	s for 308159					
	Туре	Phone Number	Ext.	International Nbr.	Contact	Contact Instructions	Update Date-Time	Action			
Regular     222-222-2222     E   D	Cell	111-111-1111					7/11/2017 3:13:19 PM	EID			
	Regular	222-222-2222					7/11/2017 3:12:29 PM	EID			
								🔍 100%			

**Current ASP Puma** 

	<i>nic Medical</i> A Provid	0011001											Main   E
/ 141/-	A FIOVIU		Filac	C									
ew Se	earch Vi	ew	dit UA/	View	All Ap	pts	View ACGN	IE Appts	Edit Allied Health				
		Edit P	MG	Edit Alias	IDs	Edit /	Addresses	Edit Email	Edit Degrees	Edit Alias Names	Edit Phon	e	
							Pho	one numb	ers for 308159				
Edit	Туре	Phone	Numbe	er	E	xt.	Internation	al Nbr. C	Contact	Contact Instructions	Upda	ite Date-Time	Action
•	Regular 🗸	111	111	1111							10/19	/2017 09:24:55 AM	UID
	Fax 🗸	222	222	2222							10/19	/2017 09:25:04 AM	UID
d'a													ADD
	Regular V												

Java Puma

2. PMG now has tabs – Instead of multiple pop-up windows, tabs will allow users to quickly switch between types of data without having to close/open browser windows.

Soc Sec Nbr: 111-11-3578	Uaa User Id: June14	
'Internal' flag set by mhpha	<pre>mhphan when added 6/14/2017 1:51:20 E n when added 6/14/2017 1:51:20 PM mhphan on 7/6/2017 2:19:39 PM</pre>	2M
Cerner Orgs	Cerner Position	Prov Extension
UWMC	Orders NonAuth	Specialty:     02-General Surgery       Prov Type:     test-type       Med Group:     test-group
Soft delete in Puma: 🖻	Up	pdate Database Cancel
	Addresses Edit Email	Edit Degrees Edit Alias Names
Edit Phone Ed	it UAA	
Top   AMC Home   Main   Back		

Please see the "Who To Contact" page for list of people to contact with problems or questions with this site. Convride M @ 2003 2017 Iniversity of Washington, CSI 06, All rights reserved. Disses happy air convrides and disclaimar

**Current ASP Puma** 

Main   Back     New Search   View   Edit UAA   Edit Allied Health   External Links ✓     Edit PMG   Edit Alias's ID's   Edit Addresses   Edit Email   Edit Degrees   Edit Alias Names   Edit Phone     Last updated:   0021/2017 11:14:44 AM by: mbphan	Academic Medical Center		User: mhphan Logout								
Edit PMG   Edit Alias's ID's   Edit Addresses   Edit Email   Edit Degrees   Edit Alias Names   Edit Phone     Last updated: 08/21/2017 11:14:44 AM by: mhphan   Central ID: 308180   Physician Indicator:   Is Internal:   Ext Prov NWH Lab:   Deceased:   Retired:   Address Alert:     Central ID: 308180   Physician Indicator:   Is Internal:   Ext Prov NWH Lab:   Deceased:   Retired:   Address Alert:     Last Name:	PUMA Provider Interface		Main   Back								
Last updated: 08/21/2017 11:14:44 AM by: mhphan     Central ID: 308180 Physician Indicator:   Is Internal:   Ext Prov NWH Lab:   Deceased:   Retired:   Address Alert:     Cerner Inactive:	New Search View Edit UAA Edit	Allied Health External Links Y									
Central ID: 308180 Physician Indicator:   Is Internal:   Ext Prov NWH Lab:   Deceased:   Retired:   Address Alert:     Cerner Inactive:	Edit PMG Edit Alias's ID's Edit Add	resses Edit Email Edit Degree	s Edit Alias Names Edit Phone								
Central ID: 308180 Physician Indicator:   Is Internal:   Ext Prov NWH Lab:   Deceased:   Retired:   Address Alert:     Cerner Inactive:											
Cerner Inactive:   Image: Cerner Inactive:     Last Name:   First Name:   Middle Name:     Suffix Name:   Gender:   M   F     Soc Sec Nbr:   Uaa User Id:   june21b     Comment:   Cerner Orgs   Cerner Position   Prov Extension     HMC SCCA UWMC   None   Image: Cerner Position   Image: Cerner Position	Last updated: 08/21/2017 11:14:44 AM by: mhphan										
Suffix Name:   Gender:   M   F   Birthdate:   (mm//dd/yyyy)     Soc Sec Nbr:   Uaa User Id: june21b   Imm//dd/yyyy)   Imm//dd/yyyy)     Comment:   Imm//dd/yyyy   Imm//dd/yyyy)     Comment:   Imm//dd/yyyy   Imm//dd/yyyy)     HMC SCCA UWMC   None   Imm//dd/yyyy		Is Internal: Ext Prov NWH Lab:	Deceased: Retired: Address Alert:								
Soc Sec Nbr: Uaa User Id: june21b   Comment: Cerner Orgs   Cerner Orgs Cerner Position   HMC SCCA UWMC None	Last Name: june21bl	First Name: june21bf	Middle Name:								
Comment: Cerner Orgs Cerner Position Prov Extension   HMC SCCA UWMC None None	Suffix Name:	Gender: OM OF	Birthdate: (mm/dd/yyyy)								
Cerner Orgs     Cerner Position     Prov Extension       HMC SCCA UWMC     None	Soc Sec Nbr:	Uaa User Id: june21b									
HMC SCCA UWMC None	Comment:		$\hat{\mathbf{C}}$								
	Cerner Orgs	Cerner Position	Prov Extension								
Soft delete in Puma: Update Database Cancel and Go Back to Search	HMC SCCA UWMC	None									
	Soft delete in Puma:	Update Database	Cancel and Go Back to Search								

Java Puma

3. Edit Alias ID's no longer has 'ADD' link for single-entry ID's – For consistency and to prevent confusion, Alias ID's that cannot have more than one entries will no longer have the 'ADD' link.

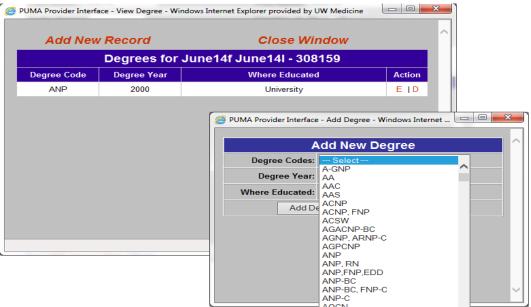
Upin:   D U   H Rad ID:   D U   H Cis ID:   D U     Medstaff ID:   D U   Pharm ID:   D U   H Cis User ID:   D U     Epic ID1:   D U   DSHS ID:   D U   U Cis ID:   D U     Epic ID2:   D U   L & IID:   D U   U Cis User ID:   D U     SOM ID:   D U   DEA ID:   D U   Employee No:   D U     U Rad ID:   D U   Lab ID:   D U   UAA User ID:   June 14   D U     Mind Prov Cd:   ADD   Billing No.:   ADD   WA State License: ADD   Tax ID: ADD     MEDCON Call Id:   ADD   DPI:   DU   D U   Med Prof Rec Nhr: ADD   STAR Roster ID: ADD     UWMC Lanier Id:   HMC Lanier Id:   Med Prof Rec Nhr: ADD   D U   D U   D U		Ма		<b>Ds for Jur</b> Deleted records	ne14f June14 not shown.)	l - 308159	$\sim$					
Medstaff ID:   D   U   Pharm ID:   D   U   H Cis User ID:   D   U     Epic ID1:   D   U   DSHS ID:   D   U   U Cis ID:   D   U     Epic ID2:   D   U   L & IID:   D   U   U Cis User ID:   D   U     SOM ID:   D   U   DEA ID:   D   U   Employee No:   D   U     U Rad ID:   D   U   Lab ID:   D   U   UAA User ID:   June 14   D   U     Mind Prov Cd:   ADD   Billing No.:   ADD   WA State License:   ADD   Tax ID:   ADD     MEDCON Call Id:   ADD   NPI:   ADD   SCCA ID:   ADD   MedHUB ID:   ADD     UWMC Lanier Id:   HMC Lanier Id:   Med Prof Rec Nhr:   ADD   D   U   D   U	Upin:	D U	H Rad ID:	D U	H Cis ID:	DIU						
Epic ID2:   D   U   L & ID:   D   U   U Cis User ID:   D   U     SOM ID:   D   U   DEA ID:   D   U   Employee No:   D   U     U Rad ID:   D   U   Lab ID:   D   U   UAA User ID:   D   U     Mind Prov Cd:   ADD   Billing No.:   ADD   WA State License:   ADD   Tax ID:   ADD     MEDCON Call Id:   ADD   NPI:   ADD   SCCA ID:   ADD   MedHUB ID:   ADD     UWMC Lanier Id:   HMC Lanier Id:   Med Prof Rec Nhr:   ADD   STAR Roster ID:   ADD	Medstaff ID:	DIU	Pharm ID:	DIU	H Cis User ID:	D U						
SOM ID: D   U DEA ID: D   U Employee No: D   U   U Rad ID: D   U Lab ID: D   U UAA User ID: June 14 D   U   Mind Prov Cd: ADD Billing No.: ADD WA State License: ADD Tax ID: ADD   MEDCON Call (d: ADD NP: ADD SCCA ID: ADD MedHUB ID: ADD   UWMC Lanier Id: HMC Lanier Id: Med Prof Rec Nhr: ADD STAR Roster ID: ADD	Epic ID1:	D U	DSHS ID:	D U	U Cis ID:	D U						
U Rad ID: D U Lab ID: D U UAA User ID: June 14 D U   Mind Prov Cd: ADD Billing No.: ADD WA State License: ADD Tax ID: ADD   MEDCON Call Id: ADD NPI: ADD SCCA ID: ADD MedHUB ID: ADD   UWMC Lanier Id: HMC Lanier Id: Med Prof Rec Nhr: ADD STAR Roster ID: ADD	Epic ID2:	D U	L & HD:	D U	U Cis User ID:	D U						
Mind Prov Cd: ADD Billing No.: ADD WA State License: ADD 11223 Tax ID: ADD D U   MEDCON Call (d: ADD D U NP: ADD D U SCCA ID: ADD D U MedHUB ID: ADD D U   UWMC Lanier Id: HMC Lanier Id: Med Prof Rec Nhr: ADD D U STAR Roster ID: ADD D U	SOM ID:	D U	DEA ID:	D U	Employee No:	D U						
MEDCON Call (d: ADD NP: ADD SCCA ID: ADD MedHUB ID: ADD   UWMC Lanier Id: HMC Lanier Id: Med Prof Rec Nhr: ADD STAR Roster ID: ADD	U Rad ID:	D U	Lab ID:	D U	UAA User ID: Jur	ie14 DIU	$\frown$					
UWMC Lanier Id: HMC Lanier Id: Med Prof Rec Nhr: ADD STAR Roster ID: ADD D U	Mind Prov	Cd: ADD	Billing No	.: ADD								
	MEDCON Ca		NP: A		SCCA I	D: ADD						
View All Records Close Window	UWMC Lan	ier Id:	HMC Lanie	er Id:	Med Prof Re							
		View All Records Close Window										

cademic Medical Center					User: mhphan Logout
UMA Provider Interf	ace				Main   Ba
New Search View Edit	UAA Edit Allied Hea	th Extern	nal Links 💙		
Edit PMG Edit Alias's ID's	Edit Addresses	Edit Email	Edit Degrees	Edit Alias Names	Edit Phone
	Manage Alias ID	)s for june:		ol - 308180	
Upin: D	U H Rad ID:	D U	H Cis ID:	DIU	Taxonomy Cd: ADD
Medstaff ID: D   U	Pharm ID:	D U	H Cis User ID:	DIU	
Epic ID1: U	DSHS ID:	D U	U Cis ID:	DIU	
Epic ID2: U	L&IID:	D U	U Cis User ID:	D U	
SOM ID: D   U	DEA ID:	D U	Employee No:	D U	
U Rad ID: D	U Lab ID:	D U	UAA User ID:	june21b D U	
Mind Prov Cd:     ADD       20240988     D   U	Billing No.	ADD	WA State	e License: ADD	Tax ID:
MEDCON Call Id:	NPI:	DIU	sco	CA ID: ADD	MedHUB ID:
UWMC Lanier Id:	HMC Lani	er Id:	Med P	rof Rec Nbr: D   U	STAR Roster ID:

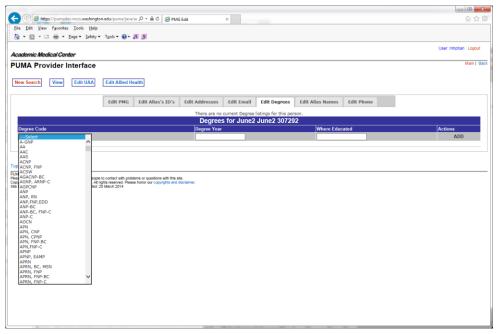
Java Puma

4. Edit Emails, Degrees and Edit Phone have new in-line interface – Instead of having popup windows to add, modify, and delete these objects, a single page will provide all of these functionalities. This is to facilitate viewing and updating the current records as well as adding new ones on the same table. After user's feedback the Actions links have been made more consistent by using 'U' for Update.

Also, per user's request, the Degree pages will only allow one entry per record. As such, after the degree is added, the 'add' link will be removed.



#### **Current ASP Puma**



Java Puma

- 5. PMG Edit no longer writes on 0 for Mind Prov Code of non-providers Historically, this was done to accommodate a certain system that has since been retired.
- Java2 app has been moved to the PUMA server from the Mindscape server and Java1 which is retired. We no longer need to jump to the Mindscape server for Java2 hence the connection from Mindscape to PUMA is severed. The PAAS tool is used to administer access to the Java2 pages.

Help	Puma Table Maintenance	User: mhphan Lo	ogout					
	Edit or Delete An Existing Row							
	Select a table in which to edit a row acgme_appts_main V Edit Or Delete existing row							
	Add A New Row							
	Select a table in which to add a row box_numbers V Add new row							
	Remove Duplicate Cerner Org Codes Per Person Remove duplicate cerner orgs for this central_id Submit							
	Remove Duplicate Cerner Org Codes From The Whole Dang Table Remove all duplicate central_id, org_cd combinations from the cerner_orgs table Submit							
	CPOE Cerner Position Code Edit LMS/Training Promotion (Java2)							

7. On UAA creation, 14 fields in uaa\_main will default to NULL unless specified. The database defined these columns with NULL as their default values hence when the PUMA operator does not specify values for these, SQL automatically write out NULL's for their values.

	s → 4 Results 🚮	Magazaga													►
	central id		other_identifier	job title	site	location	contact	mailstop	prev user id	mail to	uaa comment	birth place	collapse_prev_flag	patient nbr	access_add_dttm
1	307293	NULL	-		в					_	_	_	N	-	2017-06-02 09:27:19.000
2	407313	NULL	NULL	NULL	в	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	2017-06-27 13:12:55.900

8. List of columns changed and their values are presented to user after PMG and UAA 'add' and 'modify' operations.

< 🛞 🎯 https://pumadev.mcis.washington.edu/puma/jav. 🔎 🛪 🔒 🖒 💋 PMG Edit	🥔 PUMA Provider Interface - E 🗙	<u>∩ ☆</u> ∰
<u>File Edit V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp		
🟠 🔻 🖾 👻 🚍 🖛 🛛 Page 🕶 Safety 🕶 Tools 🕶 🔞 🖉 🔊 🔊		
Edit U	Details	
Identity		^
Last Name: June2 First	'access_add_dttm' Changed to current dttm by mhphan on 07/21/2017 09:55:40	Middle Name: June2
Other ID: June2	'access_upd_dttm' Changed to current dttm by mhphan on 07/21/2017 09:55:40	Birth Place:
	other_identifier ' UPDATE to June2 by	Email:
	mhphan on 07/21/2017 09:55:40 'site ' UPDATE to B by mhphan on	
Password: euto gen Prior Login De	07/21/2017 09:55:40 'collapse_prev_flag' UPDATE to 'N' by	Password Expires:
<u>рее израници</u> чену разачиц	mhphan on 07/21/2017 09:55:40	
Location	'ulink_prov_cd ' UPDATE to 20240113 by mhphan on 07/21/2017 09:55:40	
Job Title:	'upd_by ' UPDATE to mhphan by mhphan on 07/21/2017 09:55:40	Comments:
Melleter	'access_upd_dttm' Changed to current dttm	^
Mailstop:	by mhphan on 07/21/2017 09:55:40 'uaa main password encr' UPDATE by	
Delegate NetID: Deleg	mhphan on 07/21/2017 09:55:40 'pword_upd_log' UPDATE by mhphan on	
	07/21/2017 09:55:41	
Mgr NetID:	'human:jit value:'N' UPDATE to: N by mhphan on 07/21/2017 09:55:41	<u> </u>
	'human:upd_dttm ' UPDATE to current time by mhphan on 07/21/2017 09:55:41	
Access Dates	'human:upd_by ' UPDATE to: mhphan by	
Access Start Date:	mhphan on 07/21/2017 09:55:41 'alias_id id_cd = 'uaa_username for'	Add Date:
Deact. Date:	CID:307292 UserID:June2' DELETE by mhphan on 07/21/2017 09:55:41	End Date: Last Upd:
ORCA	'alias_id for CID:307292 User ID:June2'	
Cerner Position: No Orca	INSERT by mhphan on 07/21/2017 09:55:41 'alias_id id_cd='TaxID' CID:307292 TaxID:'	:ility Group: UWMC
CPOE Training	DELETE by mhphan on 07/21/2017 09:55:41 'users user_id:June2' INSERT into MIND by	
	mhphan on 07/21/2017 09:55:41 'users user id:June2' INSERT into MIND by	
Epic	mhphan on 07/21/2017 09:55:41	
Epic User ID: none Epic:	'MIND user_app User ID:June2' UPDATE by mhphan on 07/21/2017 09:55:41	
Burnman Section	'user_app app_name:'mindscape' User ID:'June2' app_desc:'extern_monitor_flag''	
	DELETE from MIND by mhphan on	
	07/21/2017 09:55:41 'user_app app_name:'mindscape' User	
Mindscape Mindscape: MUM: MAP: Perina	ID:'June2' app_desc:'perinatal_flag'' DELETE from MIND by mhphan on 07/21/2017	
External Monitor: PUMA Application Access:	09:55:41	
Prov Cd: 20240113 Tax ID:	'user_app app_name:'mindscape' User ID:'June2' app_desc:'ulink_maint_flag''	
	DELETE from MIND by mhphan on 07/21/2017 09:55:41	
U-Link	'user_app app_name: 'mindscape' User	
+ U-Link Group: Select new group to add	ID:'June2' app_desc:'ulink_user_flag" DELETE from MIND by mhphan on	7
	07/21/2017 09:55:41 'user_app app_name:'mindscape' User	
Sending data	ID:'June2' app_desc:'PumaCentralId'' DELETE from MIND by mhphan on	
Update UAA record Close and Go Back Remove This Record	07/21/2017 09:55:41	
	'user_app app_name:'mindscape' User ID:'June2' app_desc:'PumaCentralId''	×
	interest app_actor remacting and	

- 9. Reference Table Maintenance has finer granularity by using java. Previously, when using date-time columns, queries could only target records with 'seconds' resolution. For example, the return list of users records added at certain time would include all records added from 1/1/2000 12:00:00.000 1/1/2000 12:00:999. As such any operations performed by the Table Maintenance pages would have to act on this entire set of records even if that might not have been the operator's intention. Java PUMA can target and operate on the exact record by matching at the millisecond resolution on date-time fields.
- 10. On the UAA Add and Edit pages, the Login, Delegate NetID, and Mgr NetID fields have been widened to show and accept up to 13 characters in anticipation of the upcoming UW campus NetID changes.

Netib changes.	
Other ID:	
Login: !3456	7890123
Password:	auto gen
see pass	word verify password
ation	
Job Title:	june22a
Mailstop:	
Delessás NedDe	10045(7000400
Delegate NetID:	1234567890123
Mgr NetID:	1234567890123 ×
3	

## **Configuration Requirements**

Make sure that IE11 isn't running in any Emulation mode besides the default. In IE, press F12 to bring up the Dev Tools screen. Document mode should be set to "Edge (Default)" and the Browser profile should be set to "Desktop".

	logon.aspx - F12 Developer Tools _									х		
F12 DOM Explo	rer Console	Debugger	Network	UI Responsivene	ss Profiler	Memory	Emulation	5	a • Edge	≥   ?	96	
<u>ම</u> ා												
Mode			Disp	play			Geolocation					
Document mode	Edge (Default)	✓ ()	Orie	entation Lar	ndscape	$\checkmark$	Simulate GPS	⊙Off ⊖On (	⊖On but n	io signal		
Browser profile	Desktop	$\checkmark$	Reso	plution De	fault	$\checkmark$	Latitude					
User agent string	Default	$\checkmark$					Longitude					

Please also ensure that you don't have the PUMA web app URL saved in your Compatibility View. To check this setting go to the tools icon in the upper right hand corner of your

	Compatibility View Settings
- Logoff 💮 🏠 🌞	Change Compatibility View Settings
Print +	Add this website:
File +	washington.edu Add
Zoom (100%)	Websites you've added to Compatibility View:
Safety +	Remove
Add site to Start menu	make sure this area does not have
View downloads Ctrl+J	the PUMA app URL or
Manage add-ons	washington.edu
F12 Developer Tools	
Go to pinned sites	
Compatibility View settings	Display intranet sites in Compatibility View
Report website problems	Use Microsoft compatibility lists
Internet options	Learn more by reading the <u>Internet Explorer privacy statement</u>
About Internet Explorer	Close
Cerner Inactive:	

### **Known Issues**

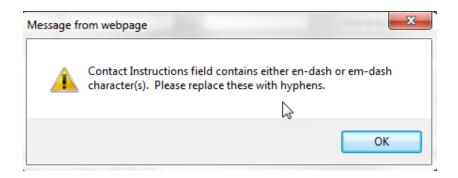
- Currently, there is an open USD request, 1813208 to scrub and normalize the Puma database in order to provide higher data integrity. Until this is done, affected records might not be able to Match-merge. The legacy Puma application could be used to Match-merge records. However, in doing so, any data anomalies might be propagated by the merging process and thus should be validated afterwards.
- 2. The following UI issues have been seen intermittently:
  - Possibility of receiving and 'error:null' message when making updates on the main PMG Edit screen --if this happens, please report it with your work flow, and central id to the SDM ticket 1771869. Hitting F5 will refresh the page and all the data/changes should have been saved.
  - b. Time out error with stack trace--if this happens, please note work flow and report to the PumaJ go-live tracking USD ticket, 1771869.

P	UMA
	<b>or: your requested page could not be displayed.</b> :k here to return to the PUMA home page.
Req	uest exception stack trace:
	seout reached before completion of request.
	washington.its.csiApiCall.CsiApiCall.executeInThread(CsiApiCall.java:222) .washington.its.csiApiCall.CsiApiCall.call/CsiApiCall.java:171)
edu	washington.its.csiApiCall.tsiApicall.isMemberOfGroupByUserIdApiCall.java.92) .washington.its.csiApiCall.IsMemberOfGroupByUserIdApiCall.isMemberOfGroup(IsMemberOfGroupByUserIdApiCall.java.92) .washington.its.puma.core.PumaController.handleRequest(PumaController.java.43)
org.	springframework.web.servlet.mvc.SimpleControllerHandlerAdapter.handle(SimpleControllerHandlerAdapter.java:50)

- c. Tabs closing intermittently -- a few people have noticed that tabs, mostly the edit UAA tab, will close without warning. If this happens, please note work flow and report to the ticket above.
- 3. Double quotes characters are not displayable in ASP text fields (truncated) and so in Java for Create/Edit Addresses, they are not allowed.

4. PUMA Java does not handle Unicode characters—If you are copy/pasting into text fields and accidentally paste in a Unicode character, specifically the 'en'/'em'/long dash you will get a

warning like this:



Should you hit this warning, please just replace and dashes with a single hyphen and continue your update.

If you notice any other weird characters in any text field, example below, please correct your entry with an appropriate ASCII character. This type of data muddling should be cleared up with the above defect 1813208, when PUMA J works to scrub and normalize data before it is written to the database.

Contact Instructions			
10/12/2017 â?? TEST			
10/12/2017 â 🕂 TEST			

For any further issues—please report to SDM ticket 1771869, or contact Minh Phan (<u>mhphan@uw.edu</u>) or Lauren Chase (<u>lchaser@uw.edu</u>)