OTTOMAN ARCHIVE CBR SYSTEM

USER MANUAL

1) To access Ottoman Archive CBR System, please type the Web address at the address bar of your Web browser (preferably Microsoft Internet Explorer). The address of Web site is <u>http://www.cs.bilkent.edu.tr/~ediz/bilmdg/ottoman/webclient.html</u>

Ottoman WEB - Microsoft Inter			-0
le Edit View Favorites Tools	Help		4
🗿 Back 🝷 🕥 🕤 🛃 🛃 🦿	Search 👷 Favorites 🜒 Media	• 🤣 🍰 • 🌺 🖸 • 🗾 📓	Y 8 48
dress 🕘 http://www.cs.bilkent.edu.tr	/~ediz/bilmdg/ottoman/webclient.html	S 🗲 😒	io Links
		OTTOMAN ADQUITE	
CONTENT-B	ASED RETRIEVAL OF		
Ottoman Archive	Query Image Viewer	Retrieved Image Viewer	
Archive			
- C Firmans			
— 🗋 Portraits			
🔹 prev 🔹 next			
🖌 Query			
Set Weights			
		Γ	
			•
		-	
	(III))>
Applet CBRApplet started		🥥 Internet	

Figure 1. Ottoman Archive CBR System Main Window

While the page is being loaded, the status bar at the bottom of Internet Explorer will quickly show several messages like "Applet CBRApplet loaded", "Loading Applet" and "Applet CBRApplet started", etc., and finally you will see the main window shown in Figure 1.

Notice that, the applet can be started only if Java is installed in your computer (e.g., can be obtained from Java site at <u>http://java.sun.com/</u>). Also, your browser settings should allow executing Java code in the browser (For Internet Explorer, you can see and update your settings by following the menu items Tools/Internet Options/Advanced. The Java related options are listed under Java (Sun) and Microsoft VM headings.).

2) To make a query, you should first select an example Ottoman document and mark the region in the document that you want to search in all other documents. Notice that, the documents in our system are partitioned into 3 groups: documents, firmans, portraits. Currently, the system includes only "Ottoman documents", and other groups will be populated soon.

🗿 Ottoman WEB - Microsoft Internet Explorer 📃 🚺	
File Edit View Favorites Tools Help	
🔇 Back 🔹 🕥 - 💌 📓 🏠 🔎 Search 👷 Favorites 🜒 Media 🤣 🔗 + 🌺 🔯 🔹 🛄 🎇 🎗	8
Address 🕘 http://www.cs.bilkent.edu.tr/~ediz/bilmdg/ottoman/webclient.html	nks »
	^
CONTENT-BASED RETRIEVAL OF OTTOMAN ARCHIVES	
Ottoman Archive Query Image Viewer Retrieved Image Viewer	
Archive	
- Documents Difference	
prev next	
4 Query	
Set Weights	
▲	
	2
🙆 Applet CBRApplet started 🌒 🔮 Internet	

Figure 2. "Documents" folder is selected to be used for querying.

To specify a query on documents, please select "documents" folder by simply clicking on it. The "documents" folder will be highlighted, as shown in Figure 2.

Than, you can browse the documents in our system by simply clicking the "Next" and "Prev" buttons shown under the folder list. Note that, it may sometimes take a few seconds for the first document to be shown. The current document will be shown in the "Query Image Viewer" part. Also, you will see a line "Image # is drawn" under this view, as shown in Figure 3.

🗿 Ottoman WEB - Microsoft Interi	net Explorer	
File Edit View Favorites Tools	Help	
🌀 Back 🝷 🕥 - 💌 🗟 🦿	🔓 🔎 Search 👷 Favorites 🜒 Media 🥝 🔗 🎍	🖸 • 📃 📓 🧏 🚜
Address 🕘 http://www.cs.bilkent.edu.tr,	/~ediz/bilmdg/ottoman/webclient.html	🖌 🄁 Go 🛛 Links 🎽
CONTENT-B.	ASED RETRIEVAL OF OTTOMAN AR	
Archive Documents Firmans Portraits	گدا اولميەسك	VIEWEI
<pre> prev ▶ next</pre>	ا اولميەسك چ و هبا اولميەسك لا اولميەسك	
Image 3 is drawn.	الر او کمیه سک	
		•
/		
<		>
Applet CBRApplet started		🔮 Internet

Figure 3. Document 3 is displayed in "Query Image Viewer".

3) Once you select the example document from which you want a region to be searched, double click on the view of this document (which is already shown in "Query Image Viewer") to open the document in a new window (Figure 4). In this new window, the document will be shown in its original size. Note that, sometimes this new window first appears blank (as in Figure 5a), because of the refresh property of the browser. In this case, please simply click somewhere on the window, and then the document will be immediately displayed (Figure 5b).

🚰 Ottoman WEB - Microsoft Interr	net Explorer	
File Edit View Favorites Tools	Help	
🌀 Back 🔹 🐑 - 💌 💈 🎸	🔓 🔎 Search 🤺 Favorites 🜒 Media 🤣 🎯 - 🌄 🔯 🔹 🗔 🛛	¥8 🔏
Address 🗃 http://www.cs.bilkent.edu.tr/	/~ediz/bilmdg/ottoman/webclient.html	io Links [»]
		~
CONTENT-B	ASED RETRIEVAL OF OTTOMAN ARCHIVES	
Ottoman Archive	Query Image Viewer	
Archive Documents Firmans Portraits	گدا اولميەسك	
prev next	ا او لميه سك چ	
✓ Query Set Weights	چ و هبا اولميهسك لا اولميهسك	-
	لا او لميه سك	
lmage 3 is drawn.		
		* *
		-
Analah CDD Analah shuthad		<u>></u>
Applet CBRApplet started	🥥 Internet	

Figure 4. Click on the "Query Image Viewer" part to enlarge the selected document.



Figure 5. a) A blank window due to refresh problem, b) Enlarged view of a document.

4) Now, you can specify a rectangular region to be searched by simply clicking somewhere in this new window, and dragging the mouse. More specifically, first click a point which will be one corner of the rectangle. Then, drag the mouse diagonally to whichever direction you want, and once you release the mouse button, the selected region will be shown in a rectangle. Note that, rectangle will be shown after you release the mouse button (Figure 6a). Also note that, our system assumes that the selected region is from a single line, i.e., the region shouldn't include symbols from two succeeding lines, which will be probably meaningless. In such a case, the system will not be able to find any answers (Figure 6b).



Figure 6. a) A query region is specified, b) An invalid query region specification.

5) Once you determine the region to be searched, click on the "Query" button in the main window (Figure 7).

🖄 Ottoman WEB - Microsoft Inter	net Explorer	
File Edit View Favorites Tools	Help	
🔇 Back 🝷 🜔 - 💌 😰 🦿	🏠 🔎 Search 🤺 Favorites 🜒 Media 🧭 🍰 🎍 🔯 🔹 🗾	📓 🍞 🦓
Address 🙆 http://www.cs.bilkent.edu.tr	/~ediz/bilmda/ottoman/webclient.html	Go Links »
CONTENT-B.	ASED RETRIEVAL OF OTTOMAN ARCHIVES	;
-Ottoman Archive	Query Image Viewer	
Archive		
- Documents	ا ا مقام	
- C Firmans	الواقعت السراو	
	واقف اسرار مرارینه هم یوف	
🔹 prev 🔹 hext		
4 Query	و تادان اوله مقبل	
Set Weights		
	و نادان اوله مقبل رینه هم یوف	
Image 1 is drawn.		
<	Ш	12
Applet CBRApplet started	🜍 Inte	rnet 🔬

Figure 7. Execute the query by clicking on "Query" button.

6) The result of the query is given in Figure 8. Notice that, the results are displayed at the bottom of the main window in descending similarity order.

🚈 Ottoman WEB - Microsoft Inte	rnet Explorer	
File Edit View Favorites Tools	Help	
🔇 Back 🝷 🕥 - 🚺 🛃	🏠 🔎 Search 🤺 Favorites 🜒 Media 🏾 🤕	9 🗟 • 😓 🖸 • 🗔 🚺 😼 🦓
Address 🙆 http://www.cs.bilkent.edu.	tr/~ediz/bilmdg/ottoman/webclient.html	Go Links »
CONTENT-1	BASED RETRIEVAL OF OTT	TOMAN ARCHIVES
Ottoman Archive	Query Image Viewer	Retrieved Image Viewer
Archive		
- Documents	ا القام ال	
- D Portraits	رب المراد	
	واقف اسرار مرارینه هم یوف	
↓ prev next		
(0 mm	1	
Zuery	و نادان اوله مقبل رینه هم یوف	
Set Weights		
	الابنة هم الدفن	
	ريد مم يو ب	
Image 1 is drawn.		
Transie and		
که بنکیلر اوله و		
ف يوف أنلرك اسر	مرارينه هم يو	
مقبل کیم اوله مدیر و	و نادان اوله	+
، وف عالمك ادبا		
2 2		
osmdoc002.codeb osmdo	c001.codeb	
2	Ш	×
Applet CBRApplet started		Internet

Figure 8. Query result view.

7) You may click on the resulting documents to see document in its original size in a separate window (Figure 9). Notice that, in this enlarged view, the regions that are similar to user query are shown is a green rectangle (Figure 10).

Ottoman WEB - Microsoft Intern		
"ile Edit View Favorites Tools 🌏 Back 🕶 🍙 - 💌 🛃 🤌	Help 🖒 Search 🤺 Favorites 🜒 Media 🍕	ע איי פעד 🕅 🗖 - 🗖 🖉
ddress 🕘 http://www.cs.bilkent.edu.tr	/~ediz/bilmdg/ottoman/webclient.html	So Link
CONTENT-B.	ASED RETRIEVAL OF OT	TOMAN ARCHIVES
	Query Image Viewer	Retrieved Image Viewer
Archive	Query intage viewei	Net level intage viewei
Documents Firmans Portraits	واقف اسرار	که بنکیلر اوله و
	مرارينه هم يوف	يوف آنلرك اسر
↓ prev ▶ next		
	Le del date .	la d'al
4 Query	و فادان اوله معبل	کیم اوله مدبر و
Set Weights	رينه هم يوف	وف عالمك ادبا
lmage 1 is drawn.		
ر که بنکیلر اوله و	القذ الس	
ر يوف آندك اس	م لا بنه ه ب	
مرارينه هم يوف آنلرك اسر		
ه مقبل کیم اوله مدیر و		
ف وف كمالك ادبا	رينه هم يوا	
2 2 osmdoc002.codeb osmdoc	001.codeb	
	Ш	() ()
Applet CBRApplet started		🔮 Internet

Figure 9. Display & enlarge the first result document by clicking on it.



Figure 10. Enlarged view of a result document with query regions marked in green.

8) To specify a new query, the main page should be refreshed and then the steps from 3 to 7 are repeated.