• Configurare Web Server

LabVIEW dispune de facilitati pentru afisarea ecranelor "Front Panel" in pagini web. Pentru utilizarea facilitatilor WEB se fac o serie de configurari. Prima configurare se refera la "Web Server". Din meniul principal, se alege Tools-->Options-->Web Server si se obtine:

Category		Web Server		
Front Panel Block Diagram Controls/Functions Palettes Environment Paths Printing	General	Reset to defaults		
Menu Shortcuts	Basic Settings			
Revision History Security	default (80)			
Shared Variable Engine	Root d	irectory		
Web Server Web Services: Security	C:\Pro 2009\v HTTP 80 Add Remove	gram Files\National Instruments\LabVIEW		
	Advanced Settings Active server label (ports)			
	default (80)			
	IP address of listener			
	Listen on all net addresses			
-	+ Allow access			

Se valideaza optiunea "Enable Web Server". In acest moment, s-a validat functionarea Web Server-ului la adresa implicita: **http://localhost:80** Folder-ul implicit pentru acest server fiind *C:\Program Files\National Instruments\LabVIEW 2009\www*. In acest folder vor fi plasate paginile WEB care vor afisa VI-uri. Pagina implicita fiind *index.html* respectiv : **http://localhost:80/index.html**

• Realizarea aplicatiei ce urmeaza a fi publicata pe WEB

Vom crea un VI <u>web_test</u> de forma:

🔁 web_test.vi	
Eile Edit View Project Operate Tools Image: Comparison of the second sec	Window Help
Delay (ms) 100 200 400 600 800 10 15.0153	Meter 00 20 40 60 80 0 100 =
<w> Server: localhost</w>	

In cazul in care este validat Web Server-ul, in coltul stanga jos este afisata adresa acestuia. Diagrama bloc fiind:

🔁 web_test.vi Block Diagram	- 0 X
<u>File Edit View Project Operate Tools Window H</u> elp →	<u>?</u>
Delay (ms)	
<w> Server: localhost (</w>	

• Realizarea paginii web

Odata activat serverul, VI-ul care ruleaza pe calculatorul server poate fi vizualizat in diverse pagini WEB. Daca serverul este configurat cu o adresa IP, paginile plasate in folderul implicit, respectiv *C:\Program Files\National Instruments\LabVIEW 2009\www*, pot fi accesate din reteaua Intrnet. Paginile web pot fi create automat astfel: din meniul principal, se alege Tools-->Web Publishing Tool si se obtine:

Select VI and Viewing Options		
/I name	Preview	
web_test.vi	Title of Web Page	
Viewing Mode	Text that is going to be displayed before the	
C Embedded		
Embeds the front panel of the VI so clients can view and control the front panel remotely		
Request control when connection is established	Text that is going to be displayed after the VI	
Snapshot		
Displays a static image of the front panel in a browser test		
Monitor		
Displays a snapshot that updates continuously		
1 Seconds between updates		
	Preview in Browser	
Show border	Start Web Server	

Se vor urmarii pasii din aceasta aplicatie, se vor seta corect informatiile cerute dupa care se genereaza o pagina WEB si se salveaza in in folder-ul implicit, respectiv *C:\Program Files\National Instruments\LabVIEW 2009\www* cu numele implicit **web_test.html**. Confinutul acestui fisier fiind:

Generator numere aleatoare

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Se lanseaza pagina web de la adresa: **http://localhost/web_test.html**, utilizand orice browser de Internet si se obtine:

Aplicatie LabVIEW - Windows Internet Explorer	- 0 ×
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🖕 Favorites 🛛 👻 🏈 Curs 🧭 A 🗙 🏠 🔻 🖾 🔹 🖶 🔻 Page 🕶	Safety 🔻 💛
Vizualizare VI LabVIEW	*
Web_test.vi	
Edit Operate	
Delay (ms) Meter 20 40 60 800 1000 0 100 0 100	
50.2368	
Generator numere aleatoare	
Done 👊 Local intranet Protected Mode: Off 🐇	▼ 100% ▼

