Socket Programming Project – Python HTTP Server

Name	Major	Primary Objective (60 pts)	Secondary Objectives (40 pts)	Total Score (100 pts)

Evaluation Rubric – Primary Objective (60 pts possible):
Website loaded from project server is indistinguishable from site loaded from real server

Description	Points	Score
Server initializes socket subsystem and receives incoming HTTP requests on port 8080	15	
Server decodes incoming HTTP 1.1 requests	15	
Server sends requested file via HTTP 1.1	15	
Web browsers (Chrome, Firefox, Safari, IE) display website from Python HTTP server that is visually identical to site on "real" server	15	
Total (60 pts possible)		

Evaluation Rubric – Secondary Objectives (40 pts possible):

Description	Points	Score
Server supports required --help, --base, and --port command-line arguments and uses argparse to decode them	10	
Server supports HTTP response code 404	10	
Server runs in Python 3 (3.4.x or newer) in Linux environment *(should be free points here!)*	10	
Server submitted to Sakai site as a .tar.gz archive *(should be free points here!)*	10	
Total (40 pts possible)		

Comments: