pd2 hw07 2021-9-23 Ivan Chen

worked with no one. assisted by no one.

Steps in the process	Supporting design elements
Computer is turned on.	A power on input.
CPU fetches and runs instructions in non-	The CPU is designed with this step built-in
volatile portion of primary storage.	such that when it starts up, it automatically
	requests for these instructions without any
	input to request for it to request the
	instructions.
Instructions from non-volatile portion of	A portion of the primary storage is designed
primary storage tell secondary storage	with non-volatility in mind such that it can
controller to fetch the operating system	retain the load operating system information
instructions.	even after the system is shut down and the
	rest of the primary storage is wiped out.
Operating system instructions are sent to the	
controller from secondary storage.	
Operating system instructions are sent to the	The controller is made to send information
primary storage from the controller.	between primary and secondary storage.
The CPU requests for the operating system	A CPU requests instructions from primary
instructions on the primary storage.	storage.
The CPU receives and runs the instructions.	A CPU runs instructions.