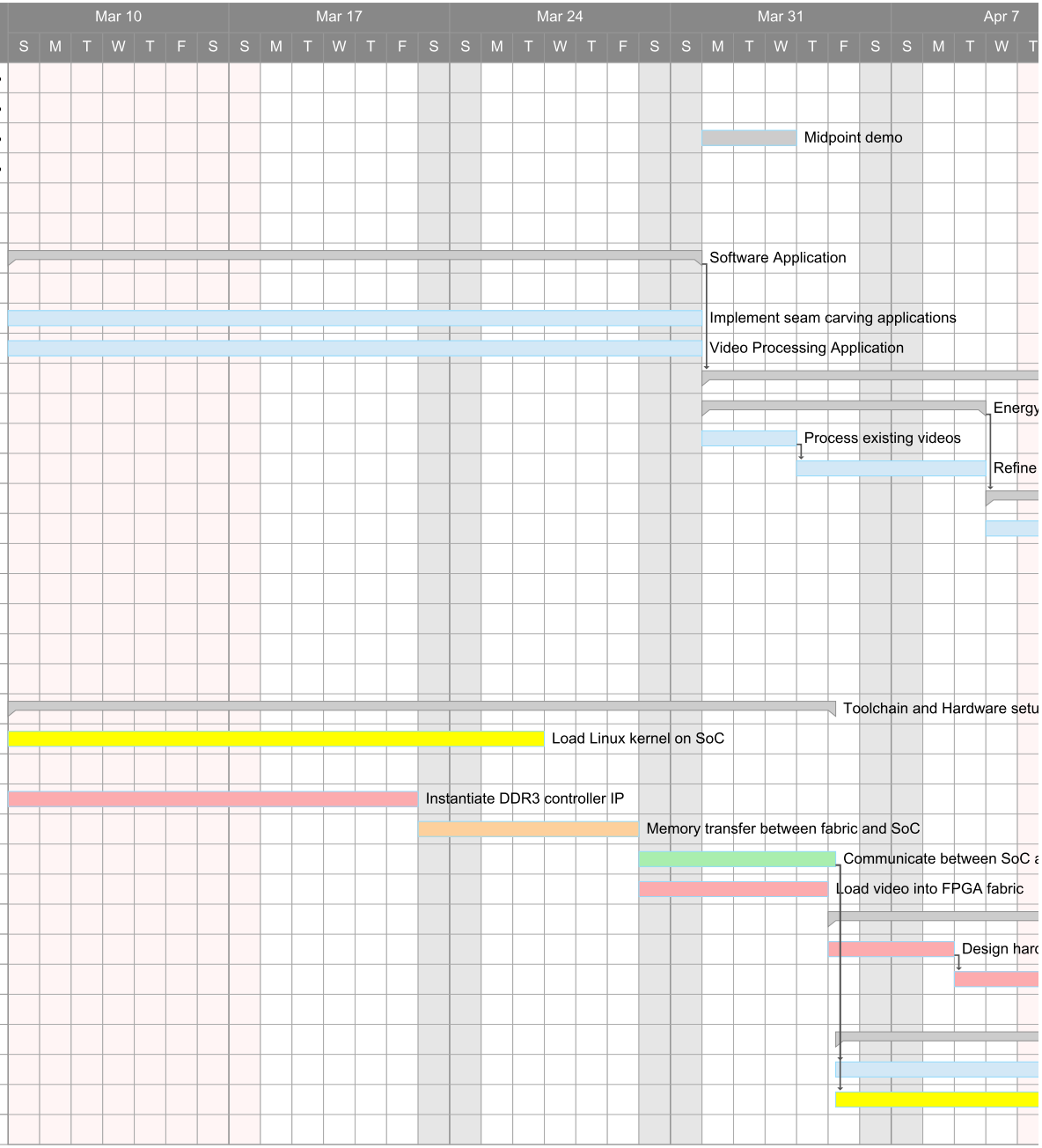
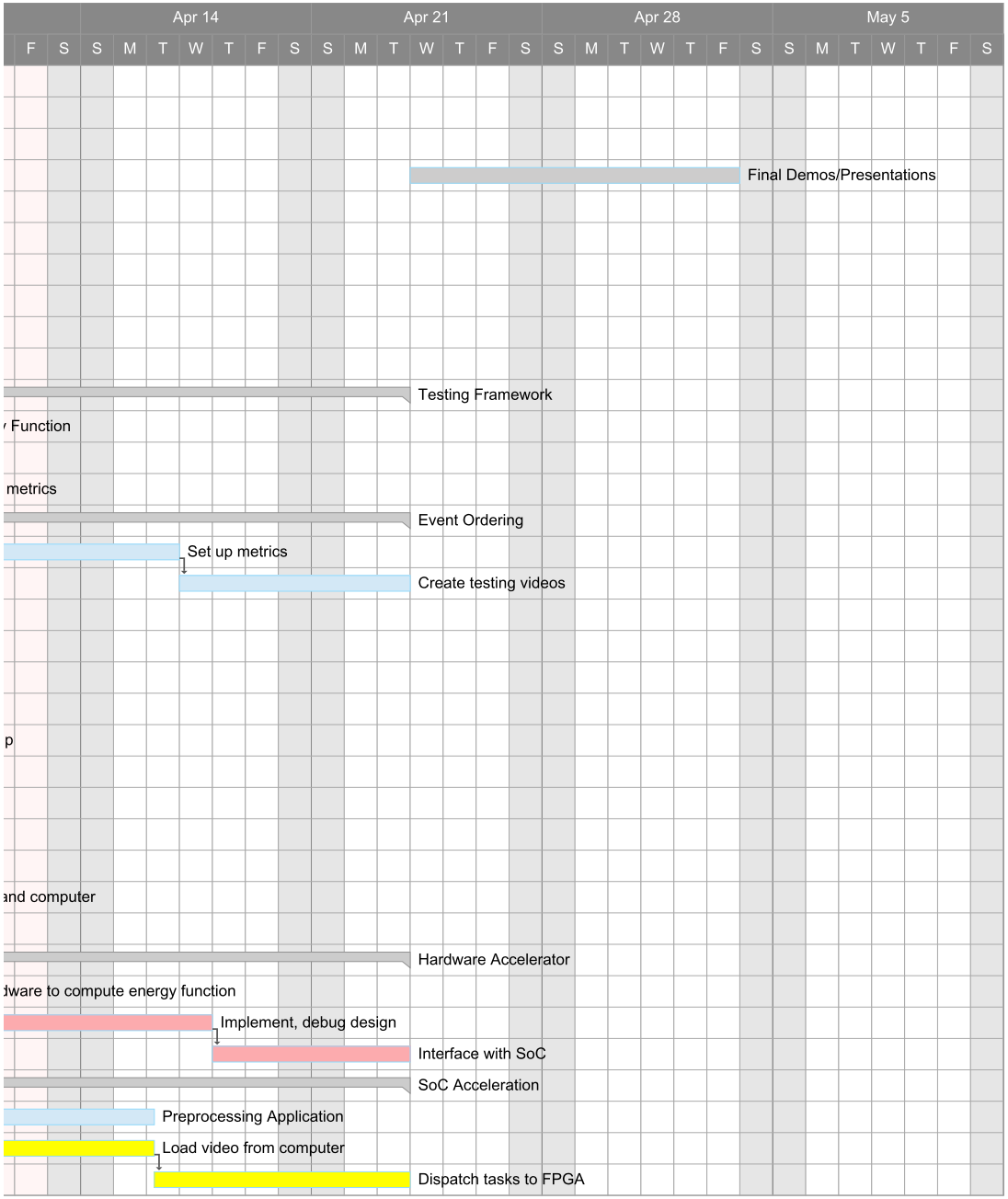
Task Name	Assigned To
Design review preparations	Maxwell, John, Rik
Design Proposal	Maxwell, John, Rik
Midpoint demo	Maxwell, John, Rik
Final Demos/Presentations	Maxwell, John, Rik
Software Application	
Research seam carving techniques	Riki
Implement seam carving applications	Riki
Video Processing Application	Riki
Testing Framework	
Energy Function	Riki
Process existing videos	Riki
Refine metrics	Riki
Event Ordering	Riki
Set up metrics	Riki
Create testing videos	Riki
Hardware Research	
Determine hardware requiements	Maxwell
Evaluate hardware options, select FPGA	Maxwell
Research off-board communication options	Maxwell
Toolchain and Hardware setup	
Load Linux kernel on SoC	John
Load design on FPGA using Vivado	Maxwell
Instantiate DDR3 controller IP	Maxwell
Memory transfer between fabric and SoC	John, Maxwell
Communicate between SoC and computer	Riki, John
Load video into FPGA fabric	Maxwell
Hardware Accelerator	
Design hardware to compute energy function	Maxwell
Implement, debug design	Maxwell
Interface with SoC	Maxwell
SoC Acceleration	
Preprocessing Application	Riki
Load video from computer	John
Dispatch tasks to FPGA	John




Apr 14
Apr 21
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May 5
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