



İHSAN DOĞRAMACI BILKENT UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE

CS223

DIGITAL DESIGN

FPGA Guitar Hero

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March 5, 2016

- Breadboard on the Beti Board (for the display of the leds.
- Modular Breadboard (for the buttons to be modular) -Will buy it from Konya Sokak-
- VGA Monitor -The one in the lab will be used-
- 5 Leds -Will buy it from Konya Sokak-
- 5 Buttons -Will buy it from Konya Sokak-
- Resistors for the buttons and the leds -Will buy it from Konya Sokak-
- Some Jumpers -Will buy it from Konya Sokak-

3 Deliverables of The Project

3.1 Progress report

Deliverables	Due date
Block diagram and description of the blocks of the project	April 11, 2016
Some of the System Verilog Code (and other codes if used)	April 11, 2016
Block table describing what they do for all of the blocks.	April 11, 2016
List of differences in the project proposal (if any)	April 11, 2016

3.2 Final Report and Demo

Deliverables	Due date
Block diagram and description of the blocks of the project	May 5, 2016
Top level block diagram description, timing of the inputs and outputs.	May 5, 2016
System Verilog Code (and other codes if used)	May 5, 2016
Data sheets for the hardware	May 5, 2016
Circuit diagrams	May 5, 2016
Other used codes and references	May 5, 2016
Oral presentation about the project and the demonstration of the project	May 5, 2016
Pear grading forms	May 5, 2016
System Verilog code will be uploaded to Unilica	May 5, 2016