

## 6.111 Final Project Checklist

DFE

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November 22, 2010

### Core Functionality

- Gemetric input generation, to be used as input. Geneartes a changing picture in two colors.
- Simulated ISI channel with fixed FIR coefficients.
- DFE to correct for channel ISI.
- VGA output to display incomming data with and without DFE correction.

### Additional Functionality

- Encoder/Decoder, properly corrects for binary noise. Allows for furthur correction of signal.
- Statistical display. Allows for viewing of channel characteristics and data stream distribution.
- Demo Mode. Allows real time display of slow-mo tap adjustment.

### Time Permitting Bonus

- Adjustable channel, changeable FIR coefficients
- Reed-Soloman CRC