

## 6.111 Project Proposal

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**Proposal:** The aim of this project is to produce a hardware system that can take an image featuring a skewed rectangular document and correct the perspective so the document appears rectangular. This will involve interfacing with a camera in order to receive the image. It will also require image processing/computer vision techniques to locate the positions of the corners of the document. Finally, some mathematical transformations will be applied to the image in order to produce the final output.

High level modules may include a camera interface module, a screen driver module, an image processing module and a rectifying module.

