

PIC DATABASE, 3/10/13

CHOOSING A PIC: VADIM KARP

• Problem Definition

- The Project is basically a database for the PIC Microprocessor. It compares the different processors for anything from pricing to maximum CPU speed.
- Schedule:
 - -- Feb 7th:
 - Gather basic information for 12 series PIC
 - -- Feb 20th:
 - Import information to EXCEL.
 - -- Feb 26th:
 - Refine information with comparisons
- Resources:
 - -- Picmicro.com
 - -- Wikibooks

Solution Specifications

- Operation Description:

You would open the excel file and it would show you the database. You can go down the list for prices, RAM memory, pins, CPU speed and more to find the specific PIC you need. Also there will be a different section where you can read a small description of the different types of PIC processors so you can focus on which PIC series and ultimately which PIC would be best for your application.
- Component Specifications
 - Microsoft excel
 - Mac or Windows computer

Competitive Analysis

- For this database there isn't really any competition, because it's just categorizing PICS and isn't advertising them or trying to sell them. The only "competition" would be the PIC Micro database for their Microprocessors but theirs is more complicated and requires you to input a lot of information to find the right PIC. Also if you are new to Programming My database would be easier to understand.

Potential Applications

- Potential application would be just personal use for finding a specific PIC processor that would work best for your specific needs.

Future Improvement Ideas

- Future Improvements would look to including a greater variety of processors. Also, I'd want to implement different criteria for singling out the Pic Processor your looking for. I'd want someone to choose the best processor for their requirements using my database.