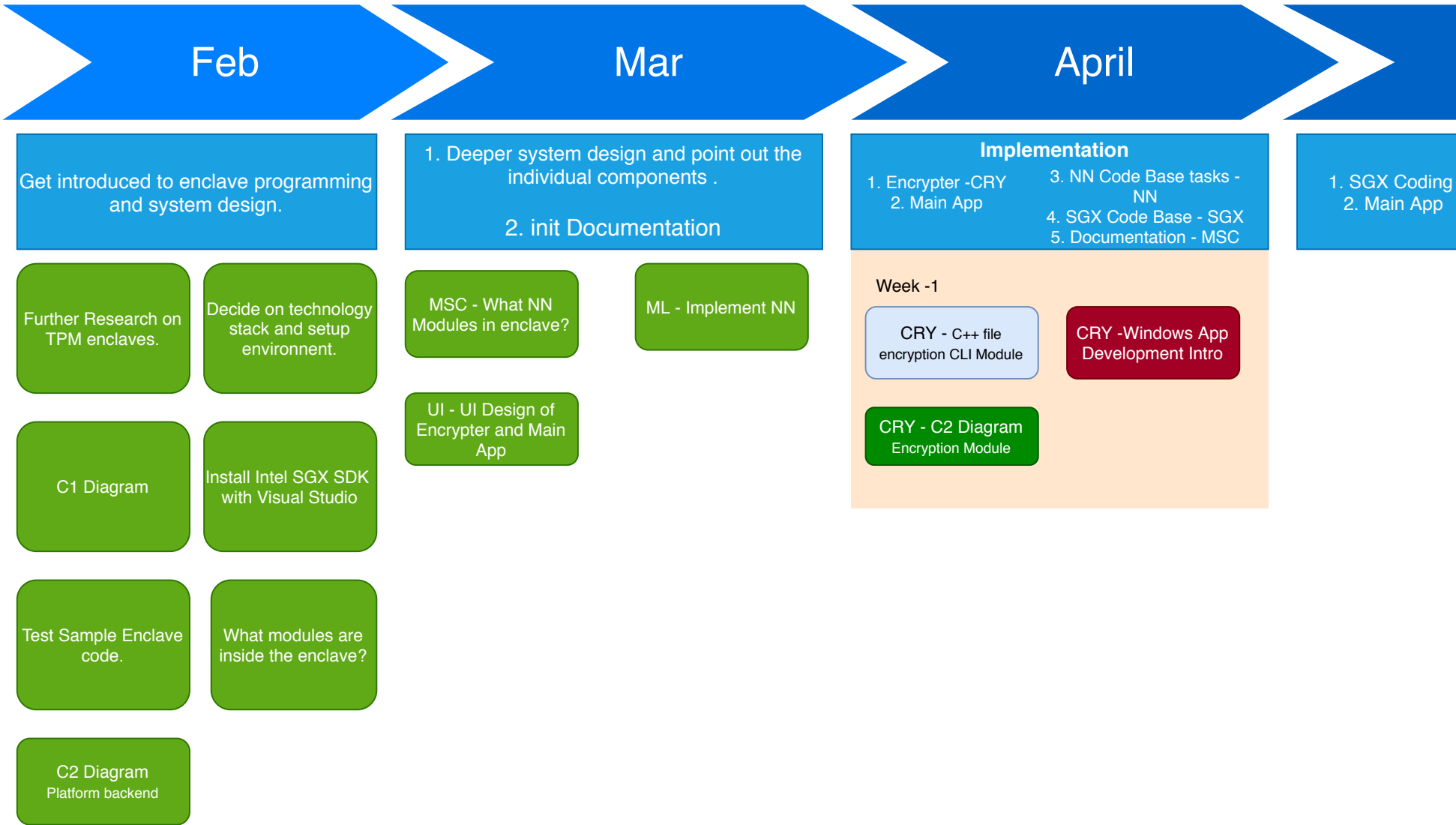


- TODO
- NEXT
- DONE

# Confidential Computing with Ma



# Machine Learning using Intel SGX

May

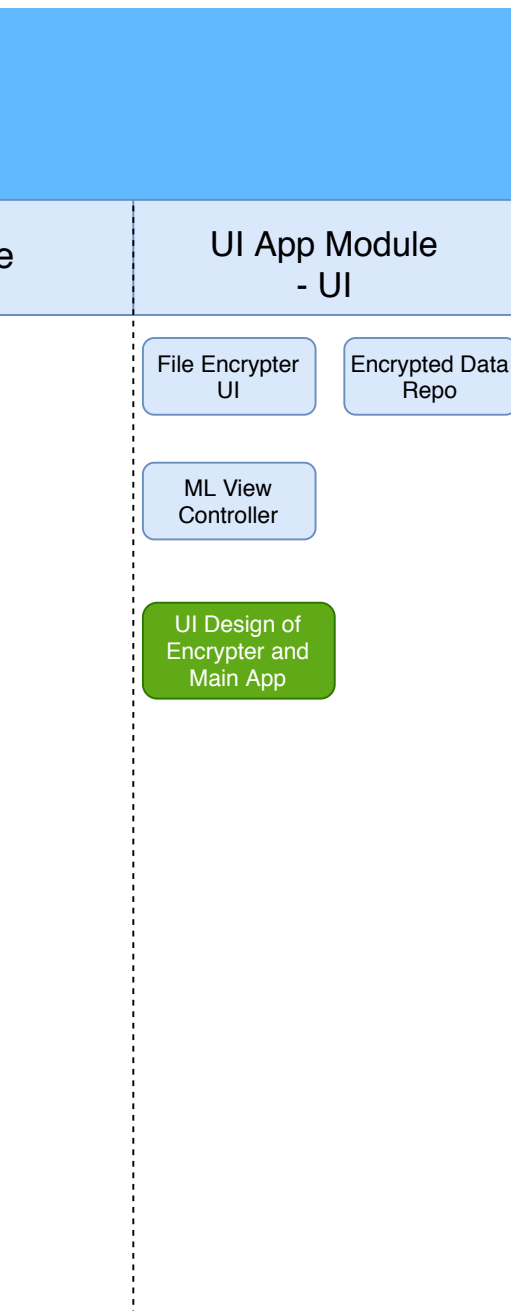
June

July

Implementation

# Dev Modules

Design, Docs and Misc. - MSC	Machine Learning module -ML	Encrypt/Decrypt - CRY	SGX Module - SGX
<div>C1 Diagram</div> <div>C2 Diagram Platform backend</div> <div>C2 Diagram Encryption Module</div> <div>C3 Diagram</div> <div>Select Thesis Topic</div> <div>Decide on ML algorithm.</div> <div>Dataset streaming model?</div> <div>Install Intel SGX SDK with Visual Studio</div> <div>Decide on technology stack and setup environment.</div> <div>What modules are inside the enclave?</div> <div>Test Sample Enclave code.</div> <div>Thesis Structure.</div>	<div>KNN</div> <div>Distance Calculator</div> <div>Implement NN</div> <div>Identify the bridge Functions</div> <div>Init new Test dataset.</div> <div>Refine NN code into proper directories</div> <div>Split Train Data into multiple files.</div>	<div>Decide on file encryption.</div> <div>C++ file CLI encryption Module</div> <div>C++ file CLI Decryption Module</div> <div>Windows App Development Intro</div> <div>Integrate Encryption CLI to main App</div>	<div>NN as SGX APP design</div>



# Tech Stack

**IDE :** Visual Studio 2017 Enterprise

**UI Design:** Adobe XD

**Encryption App :**

- Encryption : 128 bit AES-GCM
- KDF: based on SHA-256
- Win32/C++ Application

# Work Day Structure

- Update Kanban Board.
- Review TODOs
- Work on Tasks.
- Review/modify next day's tasks.