**Demand Descriptions**

**Of OpenGameConsoleMK1**

OpenGameConsoleMK1 is a simple open-sources handle game console.

**Software Functions:**

Multiple games, settings, archive storage

**Software Design**

Modularization so that no interference between major functions during targeted expansion and modification, short development period so it is Micropython based

**Hardware Functions:**

Convenient and fast means of input, intuitive output of visual content, multiple sound effects output, vibration feedback,

**Hardware Design:**

Highly integrated (as high as possible), low space waste, enough battery life, shell protection