**Gardens System**

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(the function reference Linux)

**feature:**

1. support multithreading (time slice, priority preemption, and delayed sleep);
2. support initcall implicit initialization;
3. support character device driver framework;
4. support framebuffer driver framework;
5. support IRQ virtual interrupt numbers mapping (GIC\_SPI);
6. support timer link list (timer\_list);
7. support SD Card (porting fatfs);
8. support Device Tree (support reading .dtb in SD Card, and parsing it to device\_node and platform\_device);
9. support platform: bus - device - driver framework;
10. provide APIs such as open/close/read/write, access hardware through “fd” and “file\_operations”.

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