**Sail Foods**

**Milestone**: Conceptual Model

**Group 19:**

Ankur Pandey - +1 (857) 398 5940 / [pandey.anku@northeastern.edu](mailto:pandey.anku@northeastern.edu)

Hrishik Parmar - +1 (617) 869-9205 / [Parmar.hr@northeastern.edu](mailto:Parmar.hr@northeastern.edu)

Percentage of Effort Contributed by Ankur Pandey: 50%

Percentage of Effort Contributed by Hrishik Parmar: 50%

Signature of Ankur Pandey: *Ankur Pandey*

Signature of Student 2: *Hrishik Parmar*

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**Introduction**

Sail foods is an emerging startup which focuses on providing world-class culinary services to the customers on the SHIPS. Recently Sail foods won a contract from the US Navy to handle the On-ship kitchen for the Nimitz class Aircraft carrier CVN-71: Theodore Roosevelt. This is the biggest contract that Sail foods has received since their beginning as this Aircraft carrier houses 5000+ sailors i.e. 15000+ meals per day.

In this case study, we will be discussing the digital logistics and requirements of this operation in detail.

**Conceptual Model: SAIL FOODs**

**EER:**

A diagram of a diagram

Description automatically generated

**UML:**

A diagram of a computer program

Description automatically generated

Our assumptions:

1. There would be 1 manager for 1 kitchen who will check for ingredient availability and put purchase orders. The kitchen manager will decide the dishes for the day according to ingredient availability.
2. A kitchen can take multiple orders.
3. A soldier can at least have 1 order and can have multiple orders.
4. Menu is divided into veg and nonveg foods with total specialization.
5. Menu can have multiple dishes and order can be put for multiple dishes at a time with special instructions.
6. Inventory shows the available quantity of ingredients along with their name and ID which are unique.
7. Soldiers are identified by their Tags or IDS instead of Names.
8. Dishes on the menu are identified by their Names.
9. Kitchens and Kitchen managers are identified by their respective IDS.
10. Purchase orders have their Own IDs and also have ID of Kitchen manager who put the PO.