Week 3 Assignment – Team B

**Team Project IDEA**

We have chosen to develop a specialty Point of Sale (POS) system that could be sold to any food truck purveyor.

The software will track their sales, inventory, offer order ahead with estimated pickup times and other specialty ideas, like voting for tomorrow's daily special.

Our POS has the potential to cut labor by at least one person per truck. Most food trucks staff 2-4 people, so the software would potentially cut labor anywhere from 25-50%.

We want to attempt to run the entire software package on a raspberry pi, something that could be powered by the truck's battery/alternator.  At worst we would be looking for a more powerful SBC, packaging the software and hardware combo as a SaaS (like many other restaurant POS systems).

**Q1. Why did your team select the idea over the other ideas?**

All three of us came up with 3 to 5 ideas each, then presented them to the other group members. Each of us had some variation on a restaurant tracking app, so it seemed logical to pull the ideas together into 1 project.

**Q2. What makes you excited about this idea?**

Like the first answer, it was something we were all thinking about independently. We also think there could be a real market for this niche in the restaurant industry. It is rare for a food truck to have a POS system, and staffing levels are always an issue in restaurants. You want enough staff to keep the process moving, but not over staffed, because it will quickly cut into profit margins.

**Q3. Is everyone on the team on board with the idea?**

Yes, we all had slightly different ideas related to restaurants, so blending our ideas together seems sensible.

**Q4. Do you feel it does meet the scope of this course?**

We do. This will be specialty software that does not exist in a large sector of the economy. The Food Truck industry is growing at a compound annual growth rate of 6.4% from 2022 though 2030. A graph of a market

AI-generated content may be incorrect.

**Q5. What are your next steps in gathering requirements?**

We want to reach out to food truck operators to see what features they may be asking for, that we may have overlooked. We want to better understand a raspberry pi’s capabilities, and explore display technology to use for the GUI. Our focus is on how our POS can integrate with already operating software to receive customer orders quickly.