

## Slice of Solidarity

Systems Analysis & Design

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### System Proposal

#### Executive Summary

Slice of Solidarity is a mobile and web application that connects local restaurants and cafes offering a "pay-it-forward" model with individuals in need of food assistance. This app will facilitate a seamless process for users to:

- **Donate:** Contribute funds to support those in need.
- **Redeem:** Access meals provided by participating establishments.
- **Participate:** For restaurant owners, easily list their establishment and manage their pay-it-forward program.

#### System Request

<b>Project sponsor(s)</b>	Angel Contreras, Karen Alvarez, Nicholas Lee
<b>Business need</b>	Greater Los Angeles, a region known for its wealth and glamour, also faces significant food insecurity. According to the Los Angeles Regional Food Bank, 1 in 4 residents in Los Angeles County experience food insecurity. This means they lack consistent access to enough food for an active, healthy life. A pay-it-forward food app can help alleviate food insecurity by connecting those in need with available resources, streamlining the donation process, and encouraging community engagement to curb food insecurity in our city.
<b>Business value</b>	<p><b>Tangible value:</b></p> <ul style="list-style-type: none"><li>• <b>Increased Restaurant Revenue:</b> Participating restaurants can attract new customers and generate additional revenue from donations and increased foot traffic.</li><li>• <b>Enhanced Brand Reputation:</b> Restaurants can improve their brand image by showcasing their commitment to social responsibility and community well-being.</li><li>• <b>Operational Efficiency:</b> The app can streamline the process of managing pay-it-forward programs, reducing administrative overhead.</li></ul> <p><b>Intangible Benefits</b></p> <ul style="list-style-type: none"><li>• <b>Community Impact:</b> The app can foster a stronger sense of community by connecting people and promoting acts of kindness.</li></ul>

	<ul style="list-style-type: none"><li>• <b>Social Responsibility:</b> By supporting a socially responsible initiative, businesses can improve their corporate social responsibility (CSR) profile.</li><li>• <b>Employee Morale:</b> Participating in a meaningful cause can boost employee morale and job satisfaction.</li><li>• <b>Customer Loyalty:</b> The app can increase customer loyalty by offering a unique and valuable service.</li></ul>
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## Analysis Models

Link to analysis models: [link to analysis models]  
<https://drive.google.com/drive/folders/1jxo5forOXHr9IVp-nLbQiMa6tz7wHo4z?usp=sharing>

[Use the Draw.io modeling tool to create the following diagrams and include a link to your models in the line above.

- Functional Modeling
  - Include one use-case diagram that provides an overview of the system
  - At least two activity diagrams that illustrate the processes the to-be system needs to support
- Structural Modeling
  - A class diagram that describes the structural aspects of the information in the to-be system

## Workplan

This board is set to public. You can change its visibility at any time. [More about public boards](#)

3060 Course Project group 7 ☆ Public Board

Power-Ups Automation Filters LKA KA Share

- Planning Phase**
  - Kickoff meeting
  - Define System Purpose & Value
  - Set timeline and milestones for all phases
  - Review Rubric to ensure all requirements are covered
  - + Add a card
- Analysis Phase**
  - Presentation slides
  - Create Activity diagrams (2+)
  - Create Class Diagram
  - Create use-case diagram
  - Refine System Proposal Document
  - + Add a card
- Implementation Phase**
  - Set up Tables in Appsheet
  - Develop Workflows based on use cases
  - Test and review app functionality
  - + Add a card
- Feedback Phase**
  - + Add a card
- Presentation Phase**
  - Create PowerPoint or GoogleSlides presentation
  - Present Live demo to class
  - + Add a card

+ Add another list

## Prototype

At least two screenshots of your prototype implemented using a low-code development platform.

