messE

Convenient meal cancellation facility for hostel students to reduce food wastage & distribution of excess food through NGOs

Mannu Amrit, Naman Govil, Jeel Jasani, Hari Krishna Prabhu

MessE: Final Pitch

What: System connecting students, mess managers and NGO's to manage daily meals efficiently and avoid food wastage.

Why: Students pay for meals they don't eat; Mess managers misuse / throw away left over food they shouldn't; NGO's don't know where excess food is easily available for charity.

How: Mobile application + Sms service connected to a system which allows students to intimate mess managers about absence in advance helping him make an estimate of amount of food to prepare. System also calculates actual no. of students eating in the mess, and informs NGO about excess food (if any). System stats also used to keep check on mess manager.

Open: Deploying a reliable system to count number of students actually eating in the mess – technically feasibility, internet dependability of the system.

Who: Mannu Amrit, Jeel Jasani, Naman Govil, Hari K. Prabhu

Interviews : 3 mess managers + 3 students = 6 users

Affinity

Classifying user statements on the basis of common problems; Classifying problems further on the basis of user

Persona / Scenario

Raj Nair
IIT Delhi
Masters Student

"It is compulsory for me to pay on a monthly basis my hostel mess bill . Usually, I skip my breakfast since I'm late for classes. I also go out to eat with friends on weekends and hence skip my mess meals then."

Santosh Kumar
IIT Delhi
Mess Manager

"I prepare food on an approximate basis. Usually, food is left on holidays and when some function is happening in the college. More than often, we distribute this among the workers, or throw it away."

Design Sketch (low fidelity) - Sms system + mobile app
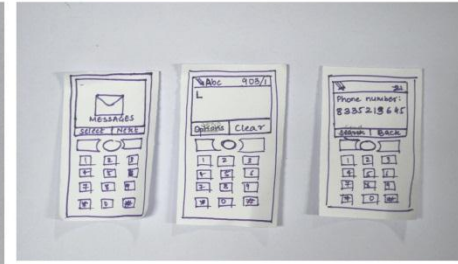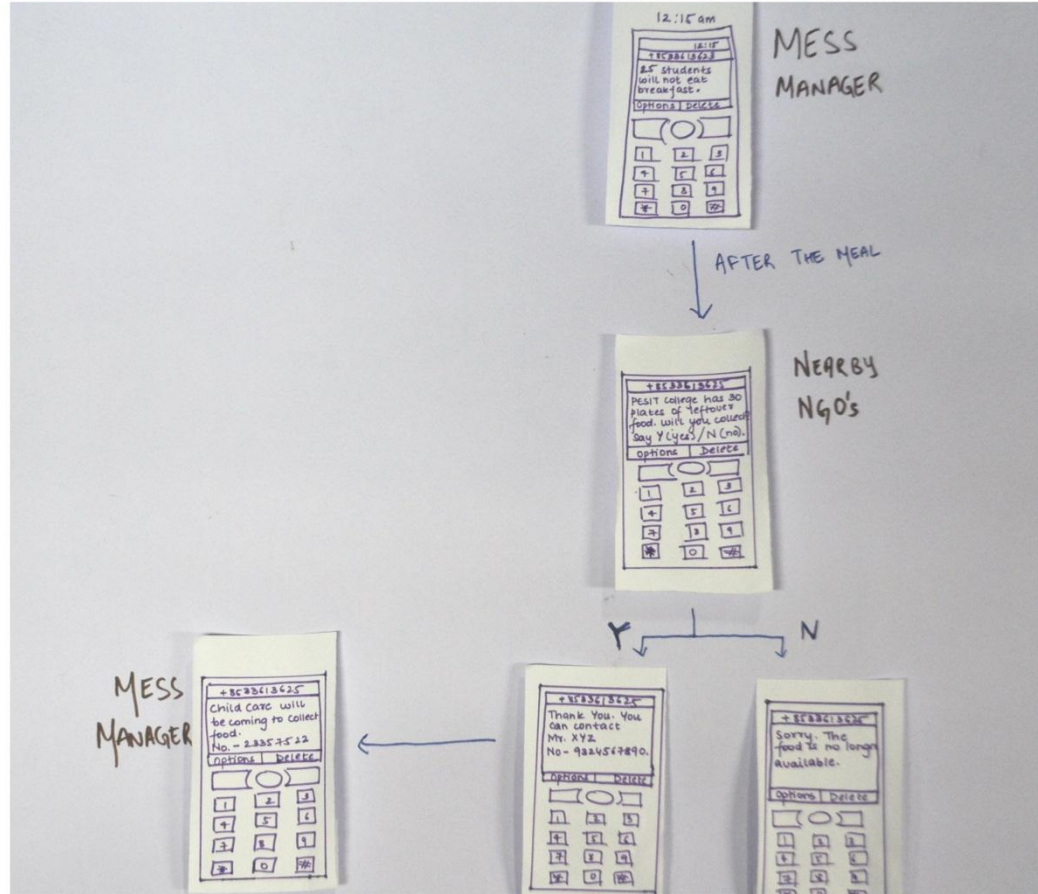
Sms system

App interface

Design Sketch 1 (mid fidelity)

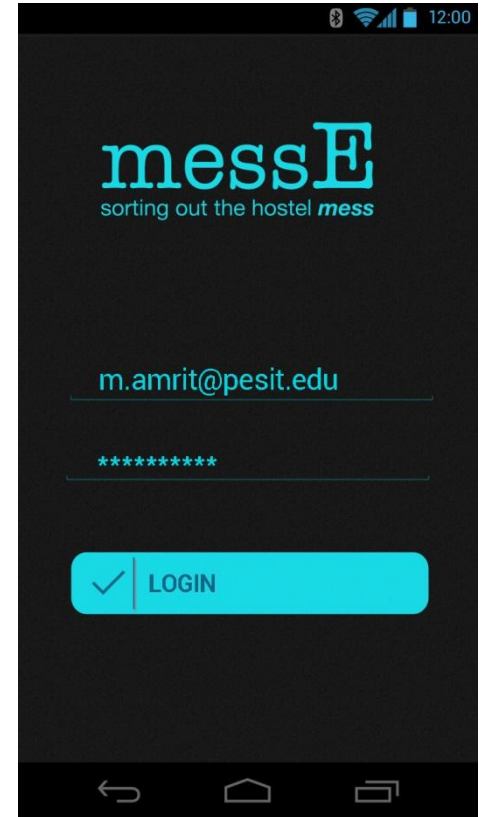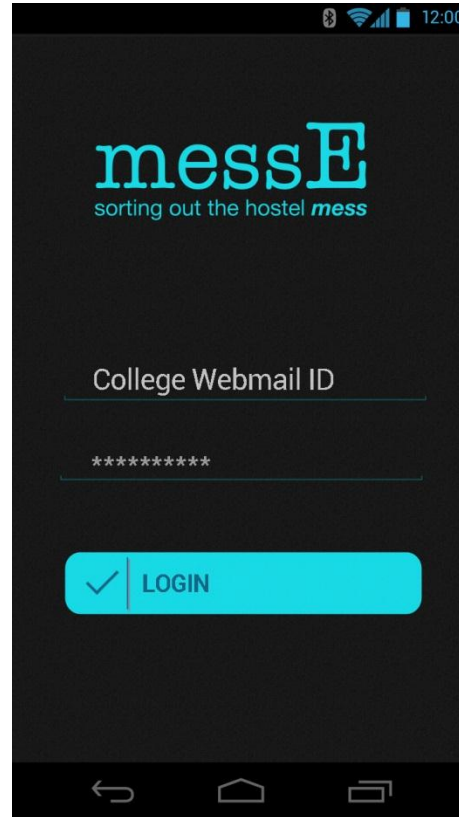Screens created in Photoshop, prototyped in PowerPoint.
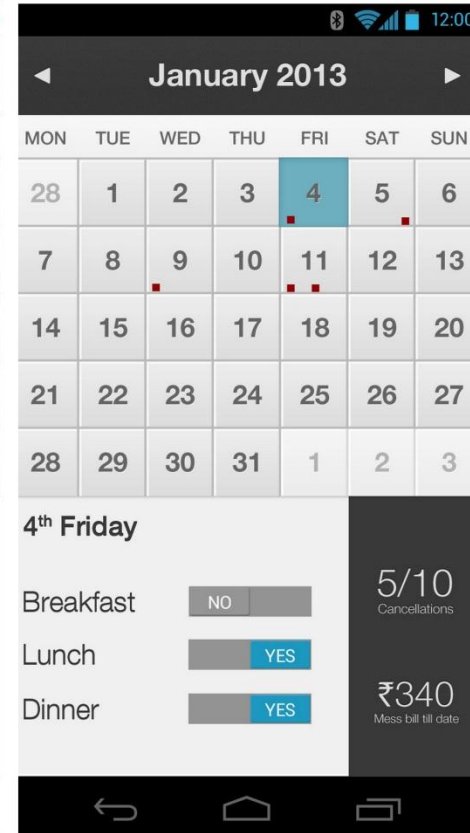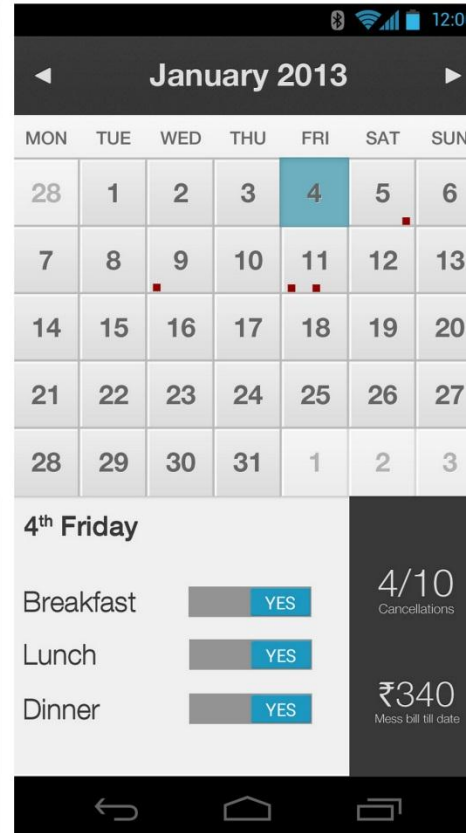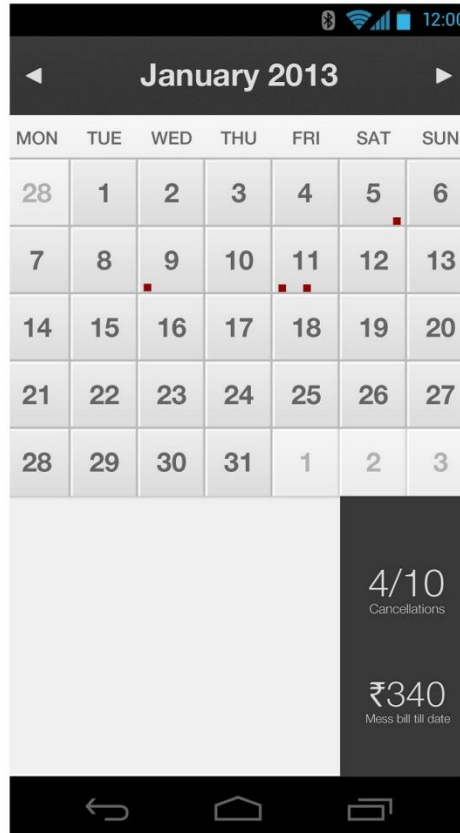
Usability Testing – 5 users (PPT prototype +paper based)

Concept and Product
well accepted.
Minor changes in
interface were
advised by 2/5 users.

Design Sketch 2 (mid fidelity)

Screens created in Photoshop, prototyped in PowerPoint.

Design Sketch 2 (mid fidelity)

Design Sketch 2 (mid fidelity – SMS based system)

Students can cancel meals by sending the first alphabet of the meal (B/L/D) to a number unique to each university.

Design Sketch 2 (mid fidelity – SMS based system)

Mess Manager informed about cancellations 6 hours prior to the meal.

Design Sketch 2 (mid fidelity – SMS based system)
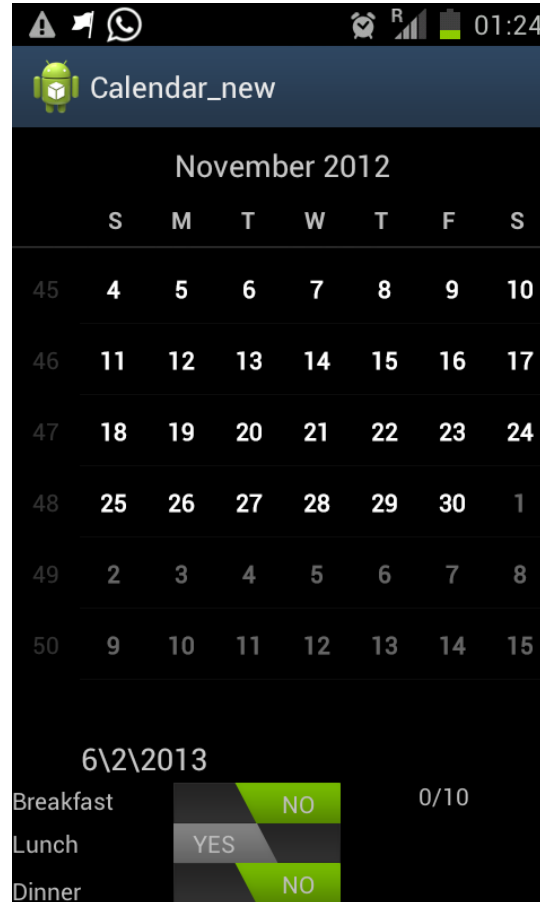
NGO's informed about excess food, if leftover.

Phase 2 :Usability Testing – 5 users

New Interface well received. Positive feedback from 5 / 5 users.

Development

Basic structure implemented
on Eclipse SDK. Minor
padding and alignment
issues to be resolved.

Concept Poster

Concept presented through a poster.

Team 8 : Composition

Mannu Amrit
IIT Guwahati
Designer

Jeel Jasani
VJTI, Mumbai
Comp. Science Engineer

Naman Govil
IIIT Hyderabad
Electronics & Comm. Engineer

Hari Krishna Prabhu
PESIT Bangalore
Comp. Science Engineer

Team Picture!