

# Software Metrics

Group 6

Members: Eduardo, Arvind, and Fuming

Manager: Srihari

Project: UMass Meal Planner

# Function Points:

## External Input (EI):

- Adding menus from umass database (web scraping)
- Adding food (nutrients) from umass database (web scraping)
- Adding food restrictions to user (user input)
- Creating an account
- Deleting account
- Modifying account

## External Output (EO):

- Output meal following restrictions
- Schedule for meals

# Function Points:

## External Inquiry (EQ):

- Account data
- Food nutrients
- Dining hall information

## Internal Logical Files (ILFs):

- Food data
- Dining hall data
- Planner (user) data
- Meal data
- Account data

External Interface Files (EIFs): NONE

| Information<br>Domain Value     | Count | Weighting factor |        |         |         |   |    |
|---------------------------------|-------|------------------|--------|---------|---------|---|----|
|                                 |       |                  | simple | average | complex | = |    |
| External Inputs (EIs)           | 6     | 3                | 3      | 4       | 6       | = | 36 |
| External Outputs (EOs)          | 2     | 3                | 4      | 5       | 7       | = | 14 |
| External Inquiries (EQs)        | 3     | 3                | 3      | 4       | 6       | = | 9  |
| Internal Logical Files (ILFs)   | 5     | 3                | 7      | 10      | 15      | = | 15 |
| External Interface Files (EIFs) | 0     | 3                | 5      | 7       | 10      | = | 0  |
| Count total                     |       |                  |        |         |         |   | 74 |