Let ‗S be the | universal final set

This will include user, resources, system.

S = {…………}

Identify the inputs as I

I = {I}

F = {I1, I2, I3, I4 …| ‗ I ‘image by user}

Identify the outputs as O

O = {R}

R= {Recipe …| ‗R ‘given recommended recipe}

Identify the functions as ‗F‘

S = {…

F = {F1 (), F2 (), F3 (), F4 (), F5 (), F6 (), F7 ()}

F1 (I) = login

F2 (V) = upload image

F3 (V) = fileted content

F4 (V) = identify ingredients

F5 (V) = recommend recipe

F6 (V) = rate

Deterministic data = same output from a given starting condition and return the same result any time

Non deterministic data = result will vary every time for given input

Success condition = According to proper inputs, recommend recipe

failure condition = Wrong inputs and ambiguity in images