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| **Concordia University**  **Department of Computer Science**  **and Software Engineering** |

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| **Touch For Food** |

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| **Traceability** |

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| **SOEN 490**  **Capstone Project**  **Fall 2012 – Winter 2013** |

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| **CloudNine** |  |
| Josh Hum (Team Leader) | 9583157 |
| Katrina Anderson | 9106251 |
| Cristian Asenjo | 9280014 |
| Christian Daher | 9599673 |
| Cynthia Donato | 9353852 |
| Mikhail Levkovsky | 9583165 |
| Patrick Modafferi | 9401377 |
| Ryan Nasr | 9605614 |
| Matthew Tam | 9675701 |

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| **Touch For Food** |

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| **Traceability** |

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| **Version 10.5** |

**Revision History**

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| **Date** | **Rev.** | **Description** | **Author(s)** |
| 2012-12-16 | 0.0 | Document Creation | Cynthia Donato |
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# Feature Definition

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| --- | --- |
| **Feature Id** | **Feature Description** |
| F1 | Order Management |
| F2 | Bill Management |
| ~~F3~~ | ~~Food Reservation~~ |
| ~~F4~~ | ~~Table Reservation~~ |
| F5 | Assistance |
| F6 | Review order history |
| ~~F7~~ | ~~Manage Friends~~ |
| ~~F8~~ | ~~Social Networking~~ |
| F9 | Menu Management |
| F10 | Rating System |
| ~~F11~~ | ~~Customer Management~~ |
| F12 | Reporting System |
| F13 | Personal Profile |
| F14 | Table Management |

Table 1 - Feature Definition

# User Needs vs. Features

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Needs vs. Features** | Order Food (customer) | ~~Make Reservation (customer)~~ | Call Waiter (customer) | Manage Personal Page (customer) | View Menu (customer) | Leave Review (customer) | View Restaurant stats & reviews | ~~Accountability, identify priorites for customers~~ | Manage Menu (restaurant) | Manage Tables (restaurant) | Manage Orders (restaurant) | Manage bills (restaurant) | ~~Restaurant Page~~ | Restaurant reporting & stats |
| F1 | X |  |  |  |  |  |  |  |  |  | X |  | ~~X~~ |  |
| F2 | X |  |  |  |  |  |  |  |  |  |  | X |  |  |
| ~~F3~~ |  | ~~X~~ |  |  |  |  |  |  |  |  |  |  |  |  |
| ~~F4~~ |  | ~~X~~ |  |  |  |  |  |  |  | ~~X~~ |  |  |  |  |
| F5 |  |  | X |  |  |  |  |  |  |  |  |  |  |  |
| F6 |  |  |  | X |  |  |  |  |  |  |  |  |  |  |
| ~~F7~~ |  |  |  | ~~X~~ |  |  |  |  |  |  |  |  |  |  |
| ~~F8~~ |  |  |  | ~~X~~ |  | ~~X~~ | ~~X~~ |  |  |  |  |  | ~~X~~ |  |
| F9 |  |  |  |  | X |  |  |  | X |  |  |  | ~~X~~ |  |
| F10 |  |  |  |  |  | X | X |  |  |  |  |  |  | X |
| ~~F11~~ |  |  |  |  |  |  |  | ~~X~~ |  |  |  |  |  |  |
| F12 |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| F13 |  |  |  | X |  |  |  |  |  |  |  |  |  |  |
| F14 |  |  |  |  |  |  |  |  |  | X |  |  |  |  |

Table 2 - User Needs vs. Features

# Use Cases vs. Features



Table 3 - Use Cases vs. Features

# Supplementary Requirements vs. Features

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SRS vs. Features** | **SR 3.2.1** | **SR 3.2.2** | **SR 3.3.1** | **SR 3.3.2** | **SR 3.4.1** | **SR 3.5.1** | **SR 3.5.2** | **SR 3.5.3** | **SR 3.5.4** | **SR 3.5.5** | **SR 3.5.6** | **SR 3.5.7** | **SR 3.5.8** | **SR 3.5.9** | **SR 3.6.1** | **SR 3.6.2** | **SR 3.7.1** | **SR 3.7.2** | **SR 3.7.3** | **SR 3.7.4** | **SR 3.7.5** | **SR 3.7.6** | **SR 3.8** | **SR 3.9** | **SR 3.10.1** | **SR 3.10.2** | **SR 3.10.3** | **SR 3.10.4** | **SR 3.11.1** | **SR 3.11.2** | **SR 3.11.3** | **SR 3.11.4** |
| **F1** | X | X | X |  | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| **F2** | X | X | X |  | X |  |  |  | X | X | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **~~F3~~** |  |  | ~~X~~ |  | ~~X~~ |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |
| **~~F4~~** |  | ~~X~~ | ~~X~~ |  | ~~X~~ |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |
| **F5** | X |  | X |  | X |  |  |  | X | X | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **F6** | X |  | X |  | X |  |  |  | X | X | X |  | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| **~~F7~~** | ~~X~~ |  | ~~X~~ |  | ~~X~~ |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |
| **~~F8~~** | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ |  |  |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |
| **F9** |  | X |  | X | X |  |  |  |  |  | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **F10** | X |  | X |  | X |  |  |  |  |  | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **~~F11~~** |  |  |  | ~~X~~ | ~~X~~ |  |  |  |  |  | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |  | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ |
| **F12** |  | X |  | X | X |  |  |  |  |  | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **F13** | X |  | X |  | X |  |  |  |  |  | X |  | X | X | X | X | X | X | X | X | X | X | X |  | X | X | X | X | X | X | X | X |
| **F14** |  | X |  | X | X |  |  |  |  |  | X |  | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

Table 4 - Supplementary Requirements vs. Features

# Use Cases vs. Test Cases

Table 5 - Use Cases vs. Test Cases