**User Stories**

*Nouns highlighted in orange.*

*Actions highlighted in blue.*

As a customer

So that I can check if I want to order something

I would like to see a list of dishes with prices

As a customer

So that I can order the meal I want

I would like to be able to select some number of several available dishes

As a customer

So that I can verify that my order is correct

I would like to check that the total I have been given matches the sum of the various dishes in my order

As a customer

So that I am reassured that my order will be delivered on time

I would like to receive a text such as "Thank you! Your order was placed and will be delivered before 18:52" after I have ordered

**Investigating the user stories.**

*Take the nouns and actions highlighted in the user stories and fill in the three tables below to help us uncover some more details about them and see how they relate to each other.*

|  |  |
| --- | --- |
| **Nouns** | **Property or owner of property?** |
| text | owner |
| list of dishes | owner |
| dishes | property of list of dishes |
| total | property of order |
| sum | property of order |
| order | owner |
| price | property of dish |

|  |  |
| --- | --- |
| **Actions** | **Owned by?** |
| see a list of dishes with prices | list of dishes |
| select some number of several available dishes | order |
| check the total | order |
| receive a text | text |

|  |  |
| --- | --- |
| **Actions** | **Property it reads or changes** |
| see a list of dishes with prices | dishes, list of dishes |
| select some number of several available dishes | reads list of dishes, creates order list |
| check the total | reads order list and list of dishes |
| receive a text | creates/reads text message |

**Class diagrams for these user stories:**

*Summarise what we have learned from the three tables in the previous section into class diagrams.*

|  |  |
| --- | --- |
| **Class** | ListofDishes |
| **Properties (instance/class variables)** | dish, list of dishes, price, prices of dishes |
| **Actions (methods)** | see\_list |

|  |  |
| --- | --- |
| **Class** | Order |
| **Properties (instance/class variables)** | order\_list, total |
| **Actions (methods)** | select\_meals, check\_total, order\_meals |

|  |  |
| --- | --- |
| **Class** | Text |
| **Properties (instance/class variables)** | text message |
| **Actions (methods)** | read\_time, send\_text |