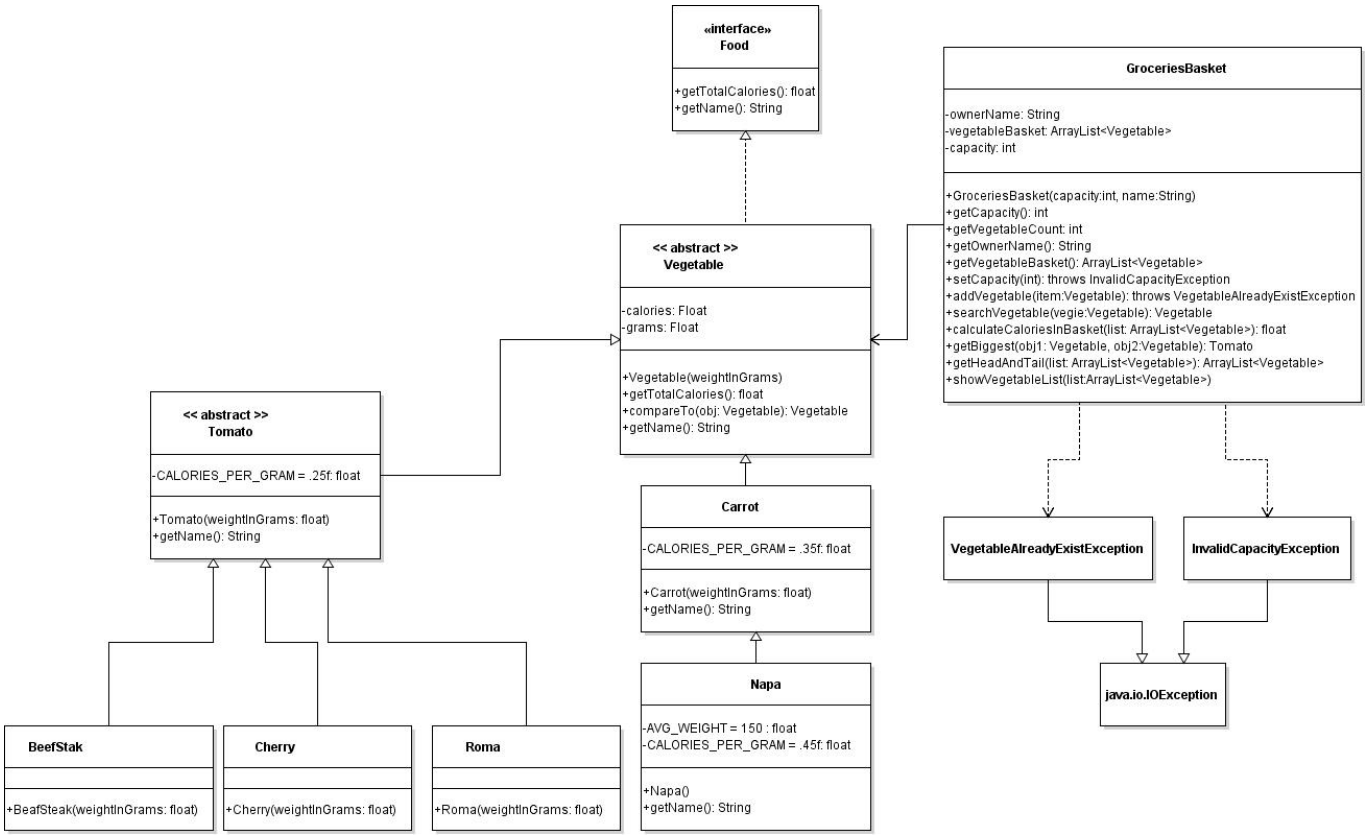
0112562 OBJECT ORIENTED PROGRAMMING, Section 3, 1ST MIDTERM (06/04/2014)

Duration:	90 mins.			**Score:**				**Student Nr:**	**Signature:**
Grading:	**1**	**2**	**3**	**4**				**Name, Surname:**	
	10	10	20	60					

QUESTIONS



Answer the following questions according to the UML class schema given above. You may need to extract hidden information from the schema and add necessary code while answering the questions. You don't have to consider inconsistencies other than the ones related with the exceptions in the class schema. However, you must prevent NullPointerException.

Question 1: Write the source code of classes Food and Tomato.

Question 2: Write the source code of VegetableAlreadyExistsException and InvalidCapacityException.

Question 3: Write the source code of the classes Vegetable and Carrot.

Question 4: Write the source code of class GroceriesBasket.