Check-In-Four
Team *Vitamin-19* (with Heather Rohr)

In a single document, provide:

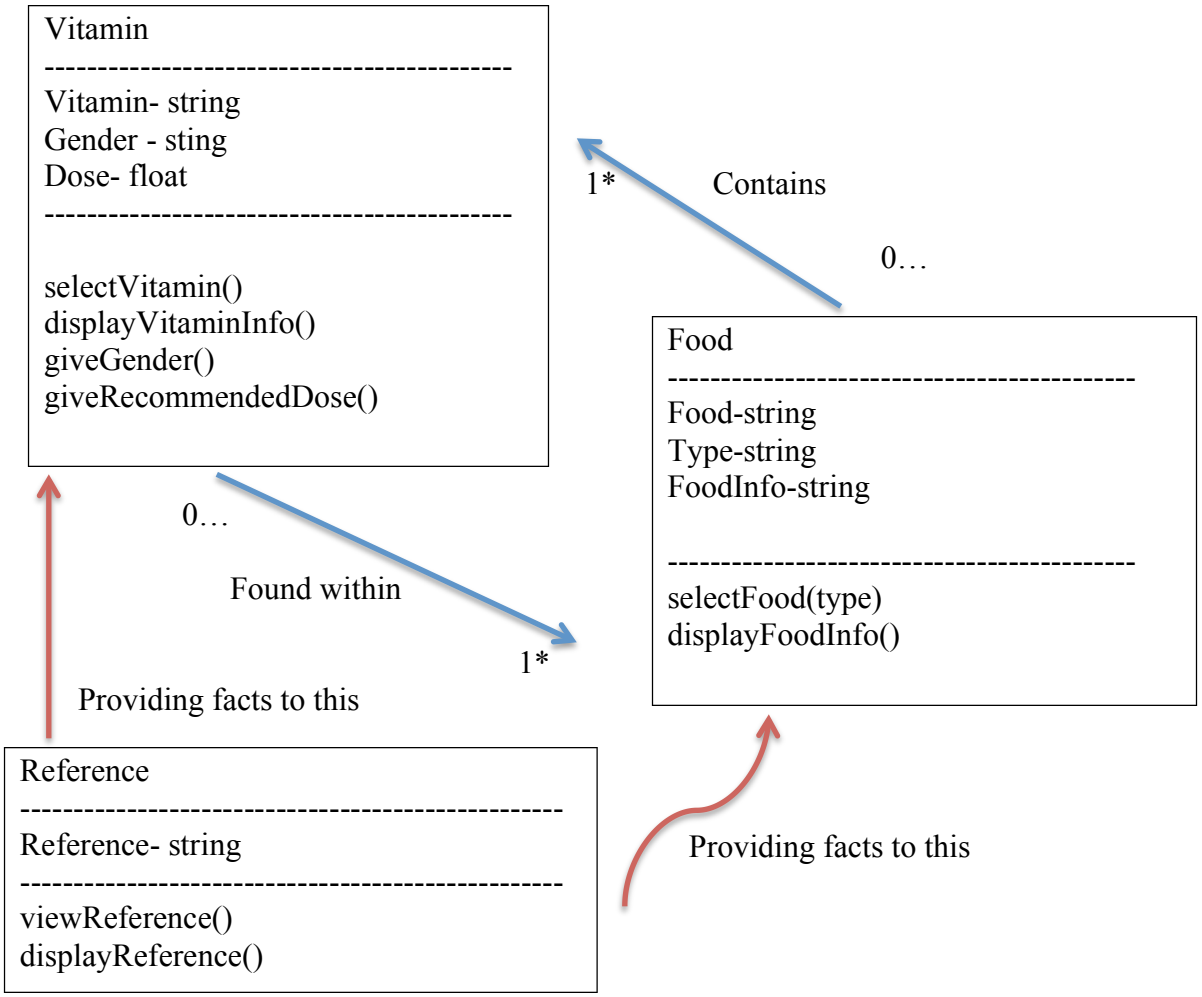
1. A class diagram for your model on a single page.

2. A sequence diagram for user stories 2, 3, 4, and the last in the official requirements, one per page.

3. A one paragraph description of the computation for each sequence diagram at the bottom of the same page.

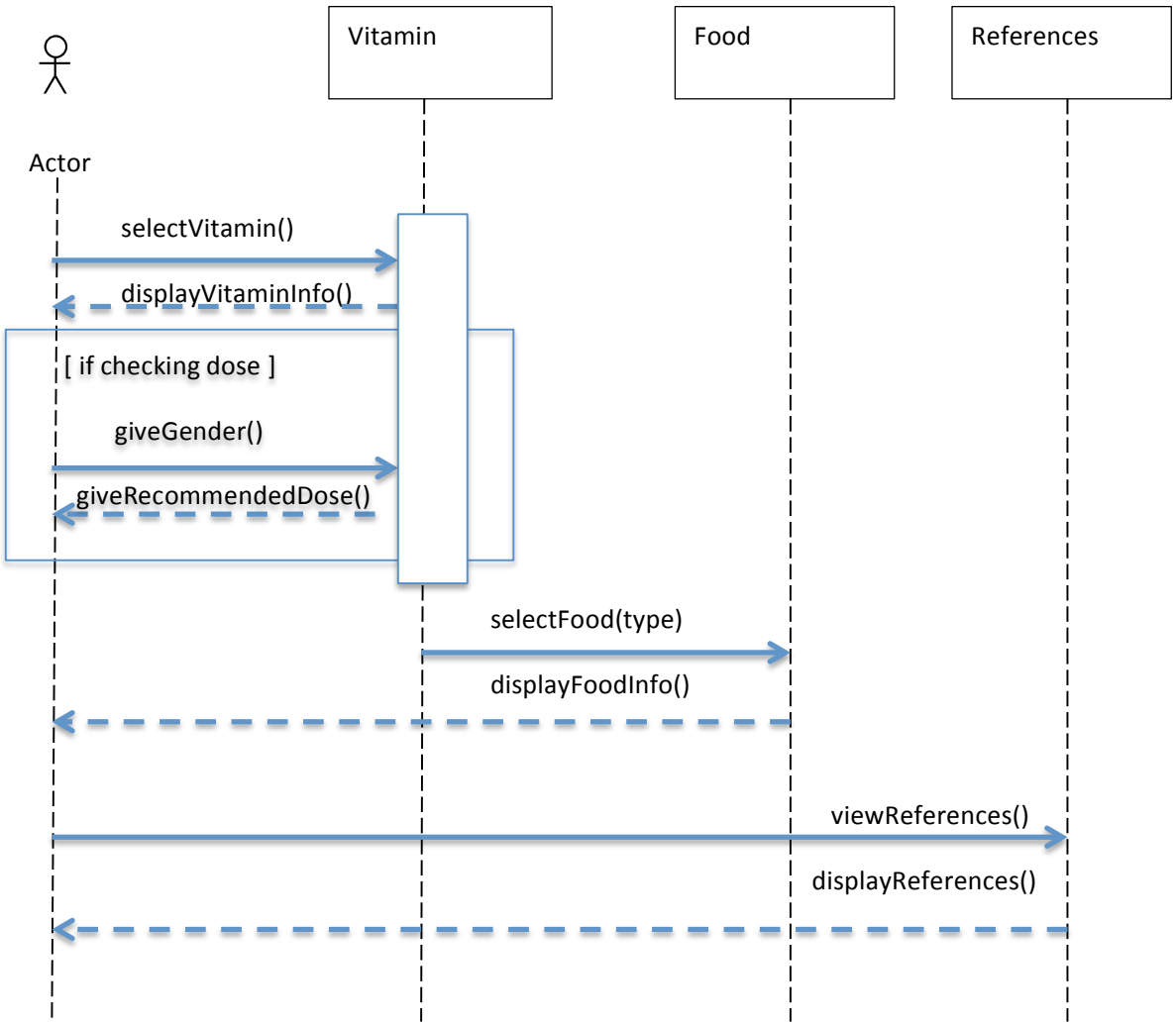
4. A design rationale.

CLASS DIAGRAM



User Story Example One

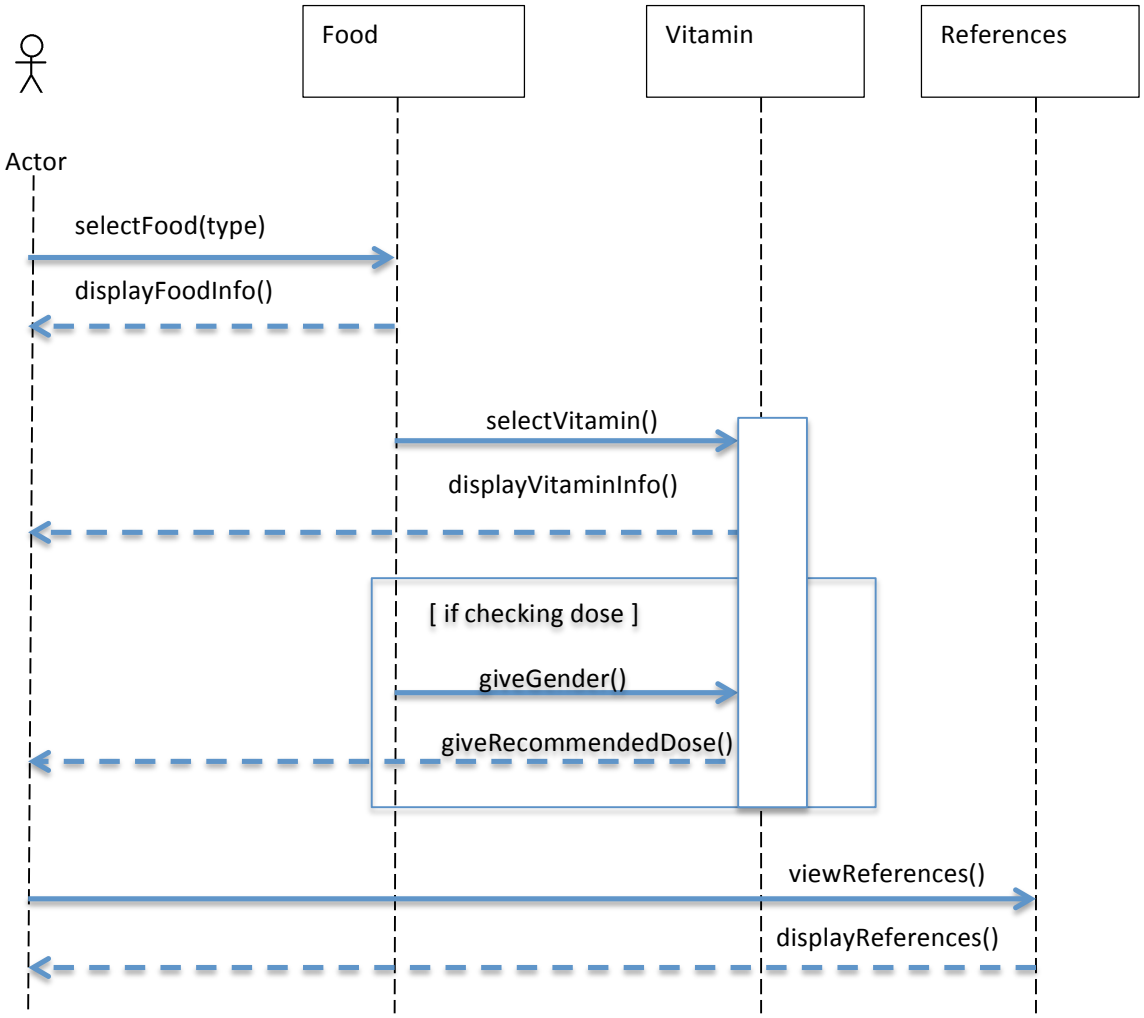
Check-In-Four -- **Sequence Diagram** --



The actor (or user) once on the site, has an option to select a Vitamin. The information for the vitamin will be displayed. If desirable, the actor can give his or her "gender" and receive recommendations on doses of the vitamin (a numeric float).
The actor can view information of a select food of one's choice with the select vitamin. Information on the select type of food would be displayed.
The actor can also view references. The references are just to give credit to the sources providing information on the foods and vitamins.

User Story Example 02

Check-In-Four -- **Sequence Diagram** --



The actor (or user) has an option to select a type of food when accessing the site. After selecting a type of food, the actor can view information on the food. After viewing information of the selected food, the actor has an option to select a Vitamin. The information for the vitamin will be displayed. If desirable, the actor can give his or her "gender" and receive recommendations on doses of the vitamin (float). The actor can also view references. The references are just to give credit to the sources providing information on the foods and vitamins.

A design rationale

The interaction with the website would be done with computer electronics, such as a personal desk computer with mouse or a touch screen device.
The targeted users would be visiting this information domain in regards to eating healthy and verifying information on different food and vitamins.
Opening loading the main HTML for the website, the user has the option to look up a list of vitamins or selections of foods.
The user also has an option to check *references*, but this is for creditability and to verify sources for provided information.
If the user wishes to select a vitamin on a list provided an HTML, the user can view the information on the individual vitamin on its own HTML. If provided for the select vitamin, the user can have an option to view recommended doses of the vitamin by giving (or selecting) a gender. Pregnancy may affect the doses depending on the vitamin and source of information. The dose information may not be saved or will not be shared with others.
The user has the option to view on the same HTML the list of foods with the select vitamin. The user would be redirected to new HTML if selecting an individual food and viewing the information. On the same HTML for the selected food, the user has the option to view information on another vitamin.
The user from the beginning has an option to select a type of food before viewing information on any vitamins (i.e. fruit vegetable, nut). The user can be directed to an HTML about a vitamin when viewing information about a selected food.
The user could have the option to return to the previous page either with a “back” link or with the help of a navigation bar.
A small navigation line could be visible below a larger navigation bar on top of the display screen. For vitamins, there would be links to “Main” menu and “Vitamin” list, followed by the name of the vitamin. For food, there would links to “Main” menu, “Food” category list, and the food type (i.e. “Fruit”), followed by the name of the food.
A larger and more noticeable navigation bar on the top display of the website should have links to “Main,” “Vitamins,” “Food,” and “References.”
User would remain on the website until the window or tab is closed by the user. The website will probably close when the computer is turned off. Users with smart phones will mostly remain on a selected HTML page if the tab in the selected Internet app is not closed.