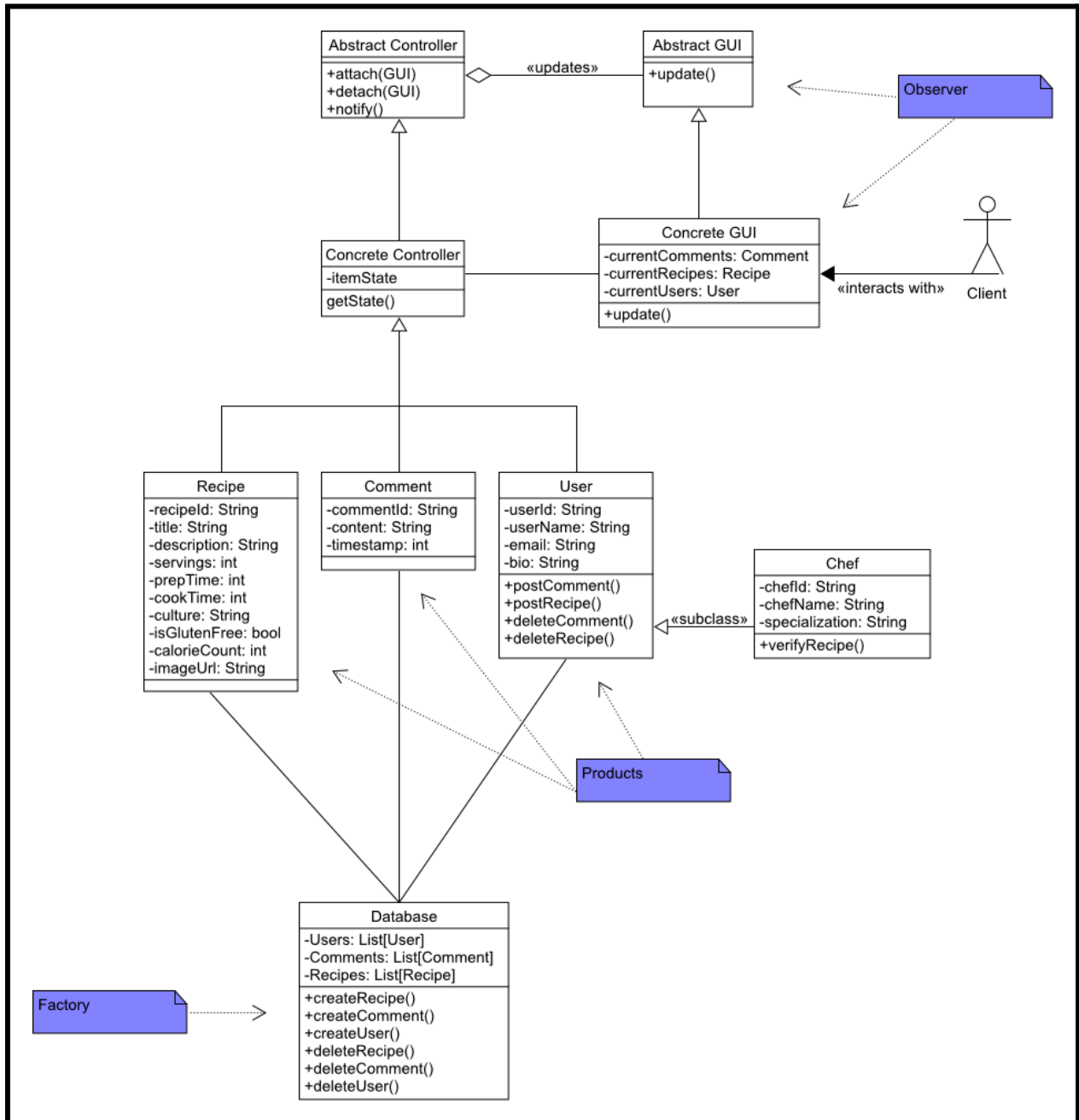


Team Grumio

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Grumio's List: Recipe-Sharing Web Application (Lifestyle/Social Media)

Design Diagram:



Explanation:

The diagram shows the entire system in an abstract view of the design strategies for the classes that will be needed to make our application work. The database and the products (recipe, user, comment) all work together under the Factory design pattern. The database acts as the factory that when it is called, must create the products depending on which object is needed to be created. The objects are then sent to the controller which acts as a bridge between the information and objects from the database to the GUI for the client to interact with. The GUI and controller act under the Observer design pattern where the GUI is the observer. The controller takes the information from the objects provided by the database and checks their most recent states. When the objects are updated, the controller has to notify the GUI that it must also update the information for the client to see. This cycle will constantly happen every time a client updates information on any of the objects or the creation of new objects.