Component Diagram: this diagram describes the logical components that constitutes the physical tiers previously described.

* *Web Server*

This component represents the front-end of the system that interacts with the web application’s users.

* *Application Server*

Represents the front-end of the system that interacts with mobile application’s users and the Admin’s GUI.

* *Database Manager*

Handles the only access point of the middle tier to the DB tier.

* *Rides Manager*

Handles requests and reservations and, in general, everything that is connected with rides. It is a central part of the application, and is the only component that interacts with the *Queue Manager*.

* *Queue Manager*

Manages the taxi zones and queues logic. It memorize (but does not store in the DB) the position of every active taxis received by the *GPS Interface*.

* *Message Broker*

Implements the Broker role in the publisher-subscribe pattern. Receives the publication messages from the *Rides Manager* and *Users Manager* and forward the appropriate communications to the clients.