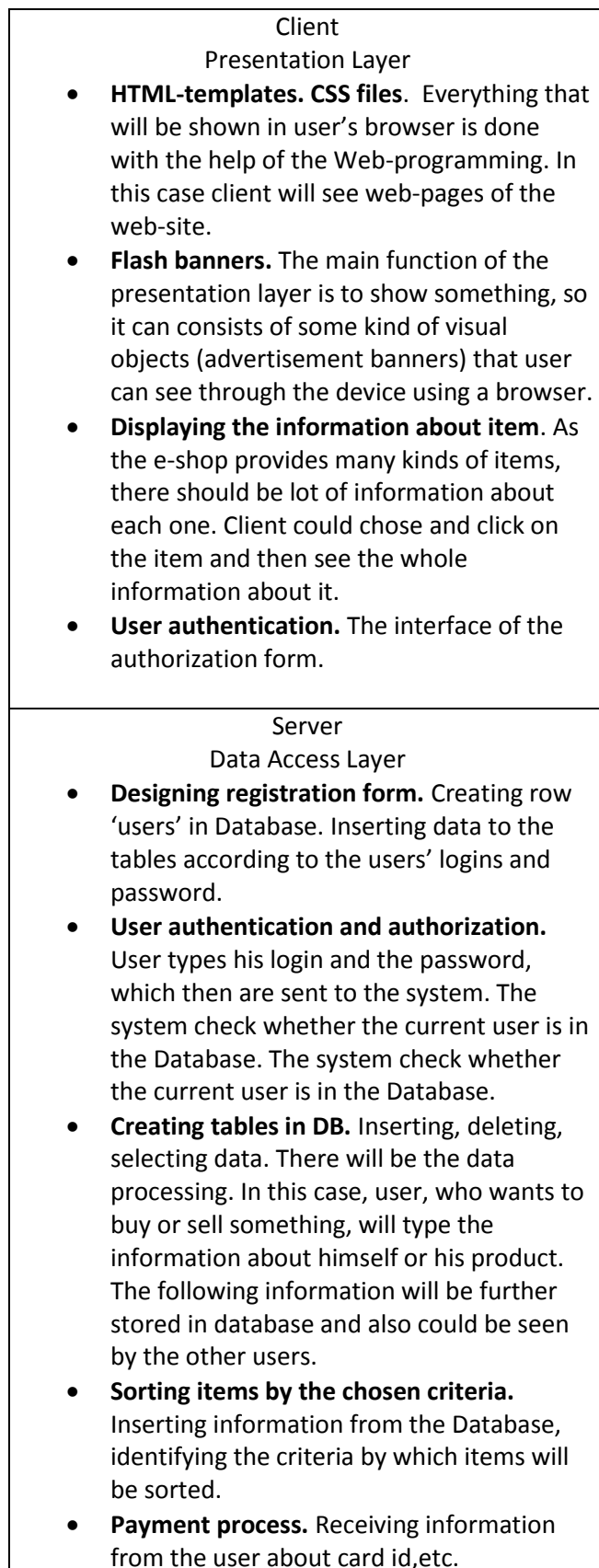## 3-Layer Architecture

Presentation Layer

- **HTML-templates. CSS files**. Everything that will be shown in user's browser is done with the help of the Web-programming. In this case client will see web-pages of the web-site.
- **Flash banners.** The main function of the presentation layer is to show something, so it can consists of some kind of visual objects (advertisement banners) that user can see through the device using a browser.
- **Displaying the information about item**. As the e-shop provides many kinds of items, there should be lot of information about each one. Client could chose and click on the item and then see the whole information about it.
- **User authentication.** The interface of the authorization form.

Business Logic Layer

- **Designing registration form.** Connecting with the Database to find the 'users'.
- **Receive the information from a client.** There will be the data processing. In this case, user, who wants to buy or sell something, will type the information about himself or his product. The following information will be further stored in database and also could be seen by the other users.
- **User authentication and authorization.** User types his login and the password, which then are sent to the system. The system check whether the current user is in the Database.
- **Sorting items by the chosen criteria.** Inserting information from the Database, identifying the criteria by which items will be sorted.
- **Payment process.** Receiving information from the user about card id,etc.

Data Access Layer

- **Designing registration form.** Creating row 'users' in Database. Inserting data to the tables according to the users' logins and password.
- **User authentication and authorization.** The system check whether the current user is in the Database.
- **Creating tables in DB.** Inserting, deleting, selecting data.

2-Layer Architecture

Client
Presentation Layer

- **HTML-templates. CSS files**. Everything that will be shown in user's browser is done with the help of the Web-programming. In this case client will see web-pages of the web-site.
- **Flash banners.** The main function of the presentation layer is to show something, so it can consists of some kind of visual objects (advertisement banners) that user can see through the device using a browser.
- **Displaying the information about item**. As the e-shop provides many kinds of items, there should be lot of information about each one. Client could chose and click on the item and then see the whole information about it.
- **User authentication.** The interface of the authorization form.

Server
Data Access Layer

- **Designing registration form.** Creating row 'users' in Database. Inserting data to the tables according to the users' logins and password.
- **User authentication and authorization.** User types his login and the password, which then are sent to the system. The system check whether the current user is in the Database. The system check whether the current user is in the Database.
- **Creating tables in DB.** Inserting, deleting, selecting data. There will be the data processing. In this case, user, who wants to buy or sell something, will type the information about himself or his product. The following information will be further stored in database and also could be seen by the other users.
- **Sorting items by the chosen criteria.** Inserting information from the Database, identifying the criteria by which items will be sorted.
- **Payment process.** Receiving information from the user about card id,etc.

1-Layer Architecture

Presentation Layer

- **HTML-templates. CSS files**. Information will be displayed.
- **Flash banners.** Will show something, so it can consists of some kind of visual objects (advertisement banners) that user can see through the device using a browser.
- **Displaying the information about item**. Client could chose and click on the item and then see the whole information about it.
- **User authentication.** The interface of the authorization form.

Data Access Layer

- **Designing registration form.** Creating row 'users' in Database. Inserting data to the tables according to the users' logins and password.
- **User authentication and authorization.** User types his login and the password, which then are sent to the system. The system check whether the current user is in the Database. The system check whether the current user is in the Database.
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- **Sorting items by the chosen criteria.** Inserting information from the Database, identifying the criteria by which items will be sorted.
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