

## A2: Actors and User stories

### Actors

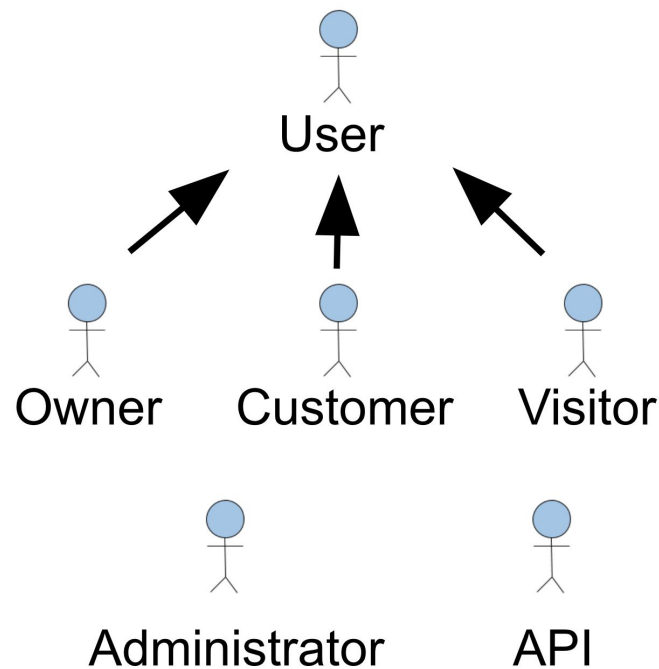


Figura 1: Actors

| Identifier    | Description  | Examples   |
|---------------|--|------------|
| User          | Generic user that has access to public information, such as collection's items   | n/a        |
| Visitor       | Unauthenticated user that can register itself (sign-up) or sign-in in the system   | n/a        |
| Customer      | Authenticated user who is interested in buying something that is on sale at auction. In addition the customer can haggle the price and comment the purchased product | pmiranda   |
| Owner         | Authenticated user that belongs to the same location as the creator of an item and can change the existing information or lend and record the return of items        | fcerquinho |
| Administrator | Authenticated user that is responsible for the management of users and for some specific supervisory and moderation functions  | admin      |
| API           | External API that can be used to register or authenticate into the system.   | Google     |

Table 1: Actor's description

## User Stories

### Visitor

| Identifier | Name                       | Priority | Description   |
|------------|----------------------------|----------|---|
| US01       | Sign-in                    | high     | As a <i>Visitor</i> , I want to authenticate into the system, so that I can access privileged information                       |
| US02       | Sign-up                    | high     | As a <i>Visitor</i> , I want to register myself into the system, so that I can authenticate myself into the system              |
| US03       | Sign-up using external API | low      | As a <i>Visitor</i> , I want to register a new account linked to my Google account, so that I can access privileged information |
| US04       | Sign-in using external API | low      | As a <i>Visitor</i> , I want to sign-in through my Google account, so that I can authenticate myself into the system            |

Tabela 2: Visitor's user stories

### User

| Identifier | Name          | Priority | Description   |
|------------|---------------|----------|---|
| US11       | Home page     | high     | As an <i>User</i> , I want to access home page, so that I can see a brief website's presentation                            |
| US12       | About page    | high     | As an <i>User</i> , I want to access the about page, so that I can see a complete website's description                     |
| US13       | Services page | high     | As an <i>User</i> , I want to access the services page, so that I can see the website's services                            |
| US14       | All auctions  | high     | As an <i>User</i> , I want to access all the auctions, so that I can see if there's something for sale that interest me     |
| US15       | FAQ page      | high     | As an <i>User</i> , I want to access the FAQ page, so that I can see Frequently Asked Questions                             |
| US16       | Contact page  | high     | As an <i>User</i> , I want to access contact page, so that I can see the contacts   |
| US17       | Search        | high     | As an <i>User</i> , I want to consult all the public information, so that I be informed                                     |
| US18       | Statistics    | medium   | As an <i>User</i> , I want to check usage statistics (for example the top of most requested works), so that I stay informed |

Tabela 3: User's user stories

## Customer

| Identifier | Name             | Priority | Description   |
|------------|------------------|----------|---|
| US21       | Wish list add    | high     | As a <i>Customer</i> , I want to add an item to my wish list, so that I can complete the purchase.  |
| US22       | Wish list remove | high     | As a <i>Customer</i> , I want to remove an item from my wish list, so that I can forget the item.   |
| US23       | Comment          | high     | As a <i>Customer</i> , I want to register a commentary, so that I can manifest my opinion   |
| US24       | Rate             | high     | As a <i>Customer</i> , I want to register a "Like", so that I classify an auction.  |
| US25       | Profile          | high     | As a <i>Customer</i> , I want to change my information, so that I can keep it updated (e.g. changing the password)  |
| US26       | Report           | high     | As a <i>Customer</i> , I want to report any auction,user or comment that I think it's offensive,so that an Administrator can review it.   |
| US27       | Make a Bid       | high     | As a <i>Customer</i> ,I want to be able to make bids in auctions to win the item.   |
| US28       | Buy Now          | high     | As a <i>Customer</i> ,I want to be able to Buy a item for a predetermined(by the Owner) price,ending the auction immediately.   |
| US29       | Private Message  | high     | As a <i>Customer</i> ,I want to be able to communicate with the owner of the product I just bought to arrange a meeting or ask some questions about the product before buying it. |

Tabela 4: Customer's user stories

## Owner

| Identifier | Name        | Priority | Description   |
|------------|-------------|----------|---|
| US31       | Update item | high     | As <i>Owner</i> , I want to change the information of an item, so that it is up-to-date       |
| US32       | Sell item   | high     | As <i>Owner</i> , I want to register the item that I want to sell                             |
| US33       | Remove item | high     | As <i>Owner</i> , I want to record the unavailability of an item, so that I update the status |

Tabela 5: Owner's user stories

## Administrator

| Identifier | Name            | Priority | Description   |
|------------|-----------------|----------|---|
| US41       | Remove comments | high     | As an <i>Admin</i> , I want to remove a comment, so that I remove inappropriate comments  |
| US42       | Accept user     | high     | As an <i>Admin</i> , I want to accept the registration of a new system user, so that he can access restricted content                 |
| US43       | Ban user        | high     | As an <i>Admin</i> , I want to record the inactivity of a system user, so that he can't longer access restricted contents of the site |
| US44       | Ban auction     | high     | As an <i>Admin</i> , I want to remove an auction, so that I can remove inappropriate auctions   |

Tabela 6: Admin's user stories

## Annex: Supplementary requirements

This annex contains business rules, technical requirements and other non-functional requirements on the project.

### Business rules

| Identifier | Name                 | Description  |
|------------|----------------------|--|
| BR01       | Ownership            | Only a user from the same site that the creator of the item (Owner) can finish the auction |
| BR02       | Registered customers | Only registered customers can buy products   |
| BR03       | Available auctions   | I can only buy products available in auctions that haven't finished                        |

Tabela 7: Business rules

## Technical requirements

| Identifier | Name            | Description  |
|------------|-----------------|--|
| TR01       | Availability    | The system must be available 99 percent of the time in each 24-hour period   |
| TR02       | Accessibility   | The system must ensure that everyone can access the pages, regardless of whether they have any handicap or not, or the Web browser they use                        |
| TR03       | Usability       | The system should be simple and easy to use  |
| TR04       | Performance     | The system should have response times shorter than 2s to ensure the user's attention   |
| TR05       | Web application | The system should be implemented as a Web application with dynamic pages (HTML5, JavaScript, CSS3 and PHP)   |
| TR06       | Portability     | The server-side system should work across multiple platforms (Linux, Mac OS, etc.)   |
| TR07       | Database        | The PostgreSQL 9.4 database management system must be used   |
| TR08       | Security        | The system shall protect information from unauthorised access through the use of an authentication and verification system   |
| TR09       | Robustness      | The system must be prepared to handle and continue operating when runtime errors occur   |
| TR10       | Scalability     | The system must be prepared to deal with the growth in the number of users and their actions   |
| TR11       | Ethics          | The system must respect the ethical principles in software development (for example, the password must be stored encrypted to ensure that only the owner knows it) |

Tabela 8: Technical requirements

## Restrictions

| Identifier | Name     | Description   |
|------------|----------|---|
| C01        | Deadline | The system must be prepared to end the auction by the stipulated date, even if there are no buyers. When a Bid is made in a auction with a time left under than 30 seconds, the time of auction restarts at 30 seconds. |

Tabela 9: Restrictions

## Revision History:

Item 1:

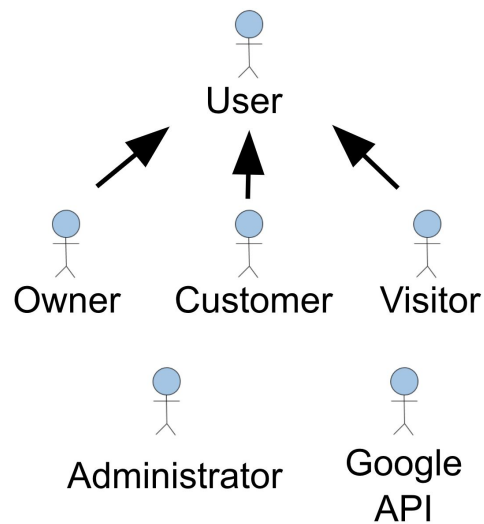


Figura 1: Actors

Item 2:

**Customer**

| Identifier | Name             | Priority | Description  |
|------------|------------------|----------|--|
| US21       | Wish list add    | high     | As a <i>Customer</i> , I want to add an item to my wish list, so that I can complete the purchase. |
| US22       | Wish list remove | high     | As a <i>Customer</i> , I want to remove an item from my wish list, so that I can forget the item.  |
| US23       | Comment          | high     | As a <i>Customer</i> , I want to register a commentary, so that I can manifest my opinion          |
| US24       | Rate             | high     | As a <i>Customer</i> , I want to register a "Like", so that I classify an auction.                 |
| US25       | Profile          | high     | As a <i>Customer</i> , I want to change my information   |
| US25.1     | Change Name      | high     | As a Customer, I want to be able to change my name.  |
| US25.2     | Change Email     | high     | As a Customer, I want to be able to change my email.   |
| US25.3     | Change Address   | high     | As a Customer, I want to be able to change my address.   |
| US25.4     | Change Photo     | high     | As a Customer, I want to be able to change my photo.   |

|      |                 |      |  |
|------|-----------------|------|--|
| US26 | Report          | high | As a <i>Customer</i> , I want to report any auction,user or comment that I think it's offensive,so that an Administrator can review it.  |
| US27 | Make a Bid      | high | As a <i>Customer</i> ,I want to be able to make bids in auctions to win the item.  |
| US28 | Buy Now         | high | As a <i>Customer</i> ,I want to be able to Buy a item for a predetermined(by the Owner) price,ending the auction immediately.  |
| US29 | Private Message | high | As a <i>Customer</i> ,I want to be able to communicate with the owner of the product I just buyed to arrange a meeting or ask some questions about the product before buying it. |

Tabela 4: Customer's user stories

### Item 3: Administrator

| Identifier | Name            | Priority | Description  |
|------------|-----------------|----------|--|
| US41       | Remove comments | high     | As an <i>Admin</i> , I want to remove a comment, so that I remove inappropriate comments   |
| US43       | Ban user        | high     | As an <i>Admin</i> , I want to record the inactivity of a system user, so that he can't longer access restricted contents of the site. When the user do something that isn't correct the user receive a warning message. |
| US44       | Unban user      | high     | As an <i>Admin</i> , I want to unban an user because I think he deserve that   |
| US45       | Ban auction     | high     | As an <i>Admin</i> , I want to remove an auction, so that I can remove inappropriate auctions.   |
| US46       | Unban auction   | high     | As an <i>Admin</i> , I want to unban an auction  |

Tabela 6: Admin's user stories

#### Item 4:

##### Business rules

| Identifier | Name                 | Description   |
|------------|----------------------|---|
| BR01       | Ownership            | Only a user from the same site that the creator of the item (Owner) can finish the auction  |
| BR02       | Registered customers | Only registered customers can buy products  |
| BR03       | Available auctions   | I can only buy products available in auctions that haven't finished   |
| BR04       | Auction time         | The system must be prepared to end the auction by the stipulated date, even if there are no buyers. When a Bid is made in a auction with a time left under than 30 seconds, the time of auction restarts at 30 seconds. |
| BR05       | Ban user             | The system will ban a user that use offensive messages or comments in auctions and excessive reports  |
| BR06       | Ban auction          | The system will ban an auction because is offensive or illegal  |

Tabela 7: Business rules

#### Item 5:

##### Restrictions

| Identifier | Name     | Description                     |
|------------|----------|---------------------------------|
| C01        | Deadline | Project delivery until deadline |

Tabela 9: Restrictions

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