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|  | Requirements |
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| Generated 27.5.2020 г. | Rezervito |
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# REQ-5-1 User Registration

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

Unregistered users must be able to register in Rezervito.

|  |
| --- |
| Child Requirements |
| Register Through External Site |

|  |
| --- |
| References |
| REQ-5-1.1 (Non-functional) Register Through External Site |

|  |
| --- |
| Use Cases that Reference REQ-5-1 |
| UC-9-4 User Registration |

# REQ-5-1.1 Register Through External Site

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 3 |  |  |

Unregistered users should be able to register through Facebook, Google or Twitter.

|  |
| --- |
| Use Cases that Reference REQ-5-1.1 |
| UC-9-7 Register through external site |

# REQ-5-2 User Login

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

Registered users should be able to login in Rezervito.

|  |
| --- |
| Child Requirements |
| Login With External Account |

|  |
| --- |
| References |
| REQ-5-2.1 (Non-functional) Login With External Account |

|  |
| --- |
| Use Cases that Reference REQ-5-2 |
| UC-10-1 Add restaurant to Favorites |
| UC-10-3 User Login |

# REQ-5-2.1 Login With External Account

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 3 |  |  |

Registered users should be able to login through Facebook, Google or Twitter.

|  |
| --- |
| Use Cases that Reference REQ-5-2.1 |
| UC-10-5 Login Through External Site |

# REQ-5-3 Browse Catalog of Restaurants

|  |  |  |  |
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| Functional | Priority 10 |  |  |

Registered and Unregistered users should be able to browse the catalog of restaurants. Then the user than can see details about a specified restaurant (REQ-5-3.1).

|  |
| --- |
| Child Requirements |
| View Restaurant Information |

|  |
| --- |
| References |
| REQ-5-3.1 (Functional) View Restaurant Information |

|  |
| --- |
| Use Cases that Reference REQ-5-3 |
| UC-9-2 Browse In restaurants catalog |

# REQ-5-3.1 View Restaurant Information

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 8 |  |  |

Registered users, Unregistered users and Restaurant managers should be able to see the following restaurant details:

-Description

-Menu

-Photo gallery

-Location

-Work time

|  |
| --- |
| Requirements that Reference REQ-5-3.1 |
| REQ-5-3 (Functional) Browse Catalog of Restaurants |

|  |
| --- |
| Use Cases that Reference REQ-5-3.1 |
| UC-1 View restaurant info |
| UC-9-5 See restaurants details |

# REQ-5-4 Filter Restaurant

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 7 |  | Approved |

Registered and Unregistered users should be able to filter restaurants by different categories : (REQ-5-4.1), (REQ-5-4.2), (REQ-5-4.3) .

|  |
| --- |
| Child Requirements |
| Filter By Cuisine Type |
| Filter by Nearest Restaurants |
| Filter by Price |

|  |
| --- |
| References |
| REQ-5-4.1 (Functional) Filter By Cuisine Type |
| REQ-5-4.2 (Functional) Filter by Nearest Restaurants |
| REQ-5-4.3 (Functional) Filter by Price |

|  |
| --- |
| Use Cases that Reference REQ-5-4 |
| UC-9-3 Filter restaurants by categories |

# REQ-5-4.1 Filter By Cuisine Type

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 4 |  |  |

Registered and Unregistered users should be able to filter restaurants by cuisine type.

|  |
| --- |
| Requirements that Reference REQ-5-4.1 |
| REQ-5-4 (Functional) Filter Restaurant |

|  |
| --- |
| Use Cases that Reference REQ-5-4.1 |
| UC-9-3 Filter restaurants by categories |

# REQ-5-4.2 Filter by Nearest Restaurants

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 4 |  |  |

Registered and Unregistered users should be able to see a list of the nearest restaurants and their location on Google Maps, depending on the user's current GPS position.

|  |
| --- |
| Requirements that Reference REQ-5-4.2 |
| REQ-5-4 (Functional) Filter Restaurant |

|  |
| --- |
| Use Cases that Reference REQ-5-4.2 |
| UC-9-3 Filter restaurants by categories |

# REQ-5-4.3 Filter by Price

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 4 |  |  |

Registered and Unregistered users should be able to filter restaurants by setting upper and lower price boundary per person.

|  |
| --- |
| Requirements that Reference REQ-5-4.3 |
| REQ-5-4 (Functional) Filter Restaurant |

|  |
| --- |
| Use Cases that Reference REQ-5-4.3 |
| UC-9-3 Filter restaurants by categories |

# REQ-5-5 Search Restaurants by Name

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

Registered and Unregistered users should be able to find restaurants by name.

|  |
| --- |
| Use Cases that Reference REQ-5-5 |
| UC-9-8 Search restaurants by name |

# REQ-5-6 Add to Favorites

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 6 |  |  |

Registered users should be able to add restaurants to their list of Favorites.

|  |
| --- |
| Use Cases that Reference REQ-5-6 |
| UC-10-1 Add restaurant to Favorites |

# REQ-5-7 Subscribe to Newsletters

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 6 |  |  |

Registered and Unregistered users should be able to subscribe to newsletters for a particular restaurant.

|  |
| --- |
| Use Cases that Reference REQ-5-7 |
| UC-9-6 Subscribe to newsletters |

# REQ-5-8 Book Table

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

Registered and Unregistered users should be able to reserve a table in a chosen restaurant. The user must provide reservation details: (REQ-5-8.1), (REQ-5-8.2), (REQ-5-8.3) and during the finalization of the booking process the Unregistered user must provide contact information (REQ-5-8.4).

|  |
| --- |
| Child Requirements |
| Reservation Date |
| Reservation Size |
| Reservation Preferred Table |
| Reservation Contact information |

|  |
| --- |
| References |
| REQ-5-8.1 (Functional) Reservation Date |
| REQ-5-8.2 (Functional) Reservation Size |
| REQ-5-8.3 (Functional) Reservation Preferred Table |
| REQ-5-8.4 (Functional) Reservation Contact information |

# REQ-5-8.1 Reservation Date

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

Registered and Unregistered users should be able to provide the date and time for the reservation.

|  |
| --- |
| Requirements that Reference REQ-5-8.1 |
| REQ-5-8 (Functional) Book Table |

|  |
| --- |
| Use Cases that Reference REQ-5-8.1 |
| UC-9-1 Book table |

# REQ-5-8.2 Reservation Size

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

Registered and Unregistered users should be able to provide the number of people who will attend.

|  |
| --- |
| Requirements that Reference REQ-5-8.2 |
| REQ-5-8 (Functional) Book Table |

|  |
| --- |
| Use Cases that Reference REQ-5-8.2 |
| UC-9-1 Book table |

# REQ-5-8.3 Reservation Preferred Table

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

Registered and Unregistered users should be able to choose a table in the restaurant from an interactive top-down map.

|  |
| --- |
| Requirements that Reference REQ-5-8.3 |
| REQ-5-8 (Functional) Book Table |

|  |
| --- |
| Use Cases that Reference REQ-5-8.3 |
| UC-9-1 Book table |

# REQ-5-8.4 Reservation Contact information

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

The Unregistered user must provide the following information in the finalization of the booking process :

-Name

-Phone number

-Email

|  |
| --- |
| Requirements that Reference REQ-5-8.4 |
| REQ-5-8 (Functional) Book Table |

|  |
| --- |
| Use Cases that Reference REQ-5-8.4 |
| UC-9-1 Book table |

# REQ-5-9 Preorder Food and Drinks

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

The Registered user should be able to preorder appetizers and drinks.

|  |
| --- |
| Child Requirements |
| Pay For Preorder |

|  |
| --- |
| References |
| REQ-5-9.1 (Functional) Pay For Preorder |

|  |
| --- |
| Use Cases that Reference REQ-5-9 |
| UC-6 Preorder food and drinks |

# REQ-5-9.1 Pay For Preorder

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

The Registered user must be able to pay for the preorder via Bank service.

|  |
| --- |
| Use Cases that Reference REQ-5-9.1 |
| UC-6 Preorder food and drinks |

# REQ-5-10 Give Feedback

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

Registered users should be able to write a review for a particular restaurant by giving a rating and text comment.

|  |
| --- |
| Use Cases that Reference REQ-5-10 |
| UC-10-2 Give feedback |

# REQ-5-11 User Report Bugs

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 3 |  |  |

Registered users should be able to report bugs to the System administrator.

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| --- |
| Use Cases that Reference REQ-5-11 |
| UC-10-4 Report bugs |

# REQ-6-1 Restaurant Manager Login

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| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

The Restaurant manager should be able to login in Rezervito.

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| Use Cases that Reference REQ-6-1 |
| UC-11-3 Manager Login |

# REQ-6-2 Reservations Overview

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

The Restaurant manager should be able to view information about all reservations as well as select specific reservations. The reservation info must include:

-Reservation sender info: (REQ-6-2.1),

-Reservation information: (REQ-6-2.2),

-Preorder details: (REQ-6-2.3)

|  |
| --- |
| Child Requirements |
| Check Client Details |
| Check Reservation Details |
| Check Preorder Details |

|  |
| --- |
| References |
| REQ-6-2.1 (Functional) Check Client Details |
| REQ-6-2.2 (Functional) Check Reservation Details |
| REQ-6-2.3 (Functional) Check Preorder Details |

|  |
| --- |
| Use Cases that Reference REQ-6-2 |
| UC-11-5 View reservations info |

# REQ-6-2.1 Check Client Details

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

The Restaurant manager should be able to see client name, client phone and client email for the specified reservation.

|  |
| --- |
| Requirements that Reference REQ-6-2.1 |
| REQ-6-2 (Functional) Reservations Overview |
| REQ-6-5 (Functional) View Occupied Tables |

|  |
| --- |
| Use Cases that Reference REQ-6-2.1 |
| UC-11-5 View reservations info |

# REQ-6-2.2 Check Reservation Details

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

The Restaurant manager should be able to see date and time of reservation submission, reserved table code and size of attendance party for the specified reservation.

|  |
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| Requirements that Reference REQ-6-2.2 |
| REQ-6-2 (Functional) Reservations Overview |
| REQ-6-5 (Functional) View Occupied Tables |

|  |
| --- |
| Use Cases that Reference REQ-6-2.2 |
| UC-11-5 View reservations info |

# REQ-6-2.3 Check Preorder Details

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

The Restaurant manager should be able to see details regarding preorder of appetizers and drinks for a specific reservation.

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| Requirements that Reference REQ-6-2.3 |
| REQ-6-2 (Functional) Reservations Overview |
| REQ-6-5 (Functional) View Occupied Tables |

|  |
| --- |
| Use Cases that Reference REQ-6-2.3 |
| UC-11-5 View reservations info |

# REQ-6-3 View Feedback

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

The Restaurant manager should be able to see reviews by Registered users regarding his restaurant. (REQ-6-3.1)

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| Child Requirements |
| Feedback Information |

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| --- |
| References |
| REQ-6-3.1 (Functional) Feedback Information |

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| --- |
| Use Cases that Reference REQ-6-3 |
| UC-11-1 Check feedback |

# REQ-6-3.1 Feedback Information

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 5 |  |  |

Feedback information must include author of review, date and time of review, rating and text comment.

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| Requirements that Reference REQ-6-3.1 |
| REQ-6-3 (Functional) View Feedback |

|  |
| --- |
| Use Cases that Reference REQ-6-3.1 |
| UC-11-1 Check feedback |

# REQ-6-4 Change Restaurant Information

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 7 |  |  |

The Restaurant manager should be able to change information about the restaurant. Restaurant information includes: (REQ-6-4.1)

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| Child Requirements |
| Restaurant Information |

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| --- |
| References |
| REQ-6-4.1 (Functional) Restaurant Information |

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| --- |
| Use Cases that Reference REQ-6-4 |
| UC-11-2 Edit restaurant info |

# REQ-6-4.1 Restaurant Information

|  |  |  |  |
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| Functional | Priority 7 |  |  |

Restaurant information must include address, phone, work time, description, menu and photo gallery.

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| --- |
| Requirements that Reference REQ-6-4.1 |
| REQ-6-4 (Functional) Change Restaurant Information |

|  |
| --- |
| Use Cases that Reference REQ-6-4.1 |
| UC-11-2 Edit restaurant info |

# REQ-6-5 View Occupied Tables

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 8 |  |  |

The Restaurant manager should be able to monitor the occupied and free tables. For a reserved table the manager should be able to:

-Client details (REQ-6-2.1),

-Reservation details (REQ-6-2.2),

-Preorder details (REQ-6-2.3) .

|  |
| --- |
| References |
| REQ-6-2.1 (Functional) Check Client Details |
| REQ-6-2.2 (Functional) Check Reservation Details |
| REQ-6-2.3 (Functional) Check Preorder Details |

# REQ-6-6 Manager Report Bugs

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 3 |  |  |

The Restaurant manager should be able to report bugs.

|  |
| --- |
| Use Cases that Reference REQ-6-6 |
| UC-10-4 Report bugs |

# REQ-6-7 Add Newsletters

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 6 |  |  |

The Restaurant manager should be able to create (REQ-6-7.1) or upload (REQ-6-7.2) a newsletter. Afterwards Rezervito forwards the newsletter to the subscribers.

|  |
| --- |
| Child Requirements |
| Create Newsletter |
| Upload Newsletter |

|  |
| --- |
| References |
| REQ-6-7.1 (Functional) Create Newsletter |
| REQ-6-7.2 (Functional) Upload Newsletter |

|  |
| --- |
| Use Cases that Reference REQ-6-7 |
| UC-11-4 Add newsletters |

# REQ-6-7.1 Create Newsletter

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 6 |  |  |

The Restaurant manager should be able to add text content and upload images to the newsletter.

|  |
| --- |
| Requirements that Reference REQ-6-7.1 |
| REQ-6-7 (Functional) Add Newsletters |

|  |
| --- |
| Use Cases that Reference REQ-6-7.1 |
| UC-11-4 Add newsletters |

# REQ-6-7.2 Upload Newsletter

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 6 |  |  |

The Restaurant manager should be able to upload a finished newsletter.

|  |
| --- |
| Requirements that Reference REQ-6-7.2 |
| REQ-6-7 (Functional) Add Newsletters |

|  |
| --- |
| Use Cases that Reference REQ-6-7.2 |
| UC-11-4 Add newsletters |

# REQ-6-8 Generate report

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 8 |  |  |

The Restaurant manager must be able to generate reports for reservations made over a period of time.

|  |
| --- |
| Use Cases that Reference REQ-6-8 |
| UC-11-3 Manager Login |

# REQ-7-1 System Administrator Login

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

The System administrator must be able to login in Rezervito.

|  |
| --- |
| Use Cases that Reference REQ-7-1 |
| UC-3 Admin Login |

# REQ-7-2 Manage Client Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 7 |  |  |

The System administrator should be able to edit and delete Registered client accounts.

|  |
| --- |
| Use Cases that Reference REQ-7-2 |
| UC-4 Manage user accounts |

# REQ-7-3 Manage Restaurant Managers Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

The System administrator should be able to create (REQ-7-3.1), edit (REQ-7-3.2) and delete Restaurant manager accounts (REQ-7-3.3).

|  |
| --- |
| Child Requirements |
| Create Restaurant Manager Account |
| Edit Restaurant Manager Accounts by Admin |
| Delete Restaurant Manager Accounts |

|  |
| --- |
| References |
| REQ-7-3.1 (Functional) Create Restaurant Manager Account |
| REQ-7-3.2 (Functional) Edit Restaurant Manager Accounts by Admin |
| REQ-7-3.3 (Functional) Delete Restaurant Manager Accounts |

|  |
| --- |
| Use Cases that Reference REQ-7-3 |
| UC-4 Manage user accounts |
| UC-12-1 Restaurant Manager Registration |

# REQ-7-3.1 Create Restaurant Manager Account

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

The System administrator should be able to create an account for the Restaurant manager after the latter had supplied him with the necessary information about the account creation process.

|  |
| --- |
| Requirements that Reference REQ-7-3.1 |
| REQ-7-3 (Functional) Manage Restaurant Managers Accounts |

|  |
| --- |
| Use Cases that Reference REQ-7-3.1 |
| UC-4 Manage user accounts |
| UC-12-1 Restaurant Manager Registration |

# REQ-7-3.2 Edit Restaurant Manager Accounts by Admin

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 7 |  |  |

The System administrator should be able to edit Restaurant manager accounts.

|  |
| --- |
| Requirements that Reference REQ-7-3.2 |
| REQ-7-3 (Functional) Manage Restaurant Managers Accounts |

|  |
| --- |
| Use Cases that Reference REQ-7-3.2 |
| UC-4 Manage user accounts |

# REQ-7-3.3 Delete Restaurant Manager Accounts

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 7 |  |  |

The System administrator should be able to delete Restaurant manager accounts

|  |
| --- |
| Requirements that Reference REQ-7-3.3 |
| REQ-7-3 (Functional) Manage Restaurant Managers Accounts |

|  |
| --- |
| Use Cases that Reference REQ-7-3.3 |
| UC-4 Manage user accounts |

# REQ-7-5 Admin Report Bugs

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 3 |  |  |

The System administrator must be able to forward the bugs received from The Registered client and Restaurant manager clients to the Development Team.

|  |
| --- |
| Use Cases that Reference REQ-7-5 |
| UC-5 Report bugs to Development Team |

# REQ-8-1 Reliability

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 8 |  |  |

Rezervito must have an availability of 97 %.

# REQ-8-2 Performance

|  |  |  |  |
| --- | --- | --- | --- |
| Performance | Priority 7 |  |  |

The system must process a reservation request for less than 5 seconds.

# REQ-8-3 Security

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 8 |  |  |

Personal information about clients accounts must be protected from unauthorized access.

# REQ-8-4 Usability

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 9 |  |  |

The system must have a help section (REQ-8-4.1) and multilingual support (REQ-8-4.2).

|  |
| --- |
| Child Requirements |
| Help Section |
| Language Support |

|  |
| --- |
| References |
| REQ-8-4.1 (Non-functional) Help Section |
| REQ-8-4.2 (Non-functional) Language Support |

# REQ-8-4.1 Help Section

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 9 |  |  |

The system must have a help section and video tutorial.

|  |
| --- |
| Requirements that Reference REQ-8-4.1 |
| REQ-8-4 (Non-functional) Usability |

# REQ-8-4.2 Language Support

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 9 |  |  |

The system's interface must support the following languages : Bulgarian, English, Ukrainian, Italian, German, Romanian, Serbian, Greek and Russian.

|  |
| --- |
| Requirements that Reference REQ-8-4.2 |
| REQ-8-4 (Non-functional) Usability |

# REQ-8-5 Maintainability

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 6 |  |  |

In the first day of every month between 1 - 4 a.m the system will be shut down for a scheduled maintenance.

# REQ-8-6 Application Field

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 8 |  |  |

The storage of personal information about users in Rezervito must be GDPR compliant.

# REQ-13-1 System User Types

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 10 |  |  |

Rezervito must support the registration of three types of users: Registered users, Restaurant managers and System Administrator.

# REQ-13-2 System Payment Method

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 8 |  |  |

Rezervito must support payment through a Bank service.

# REQ-13-3 System Google Maps Integration

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 9 |  |  |

Rezervito must be integrated with Google Maps to use their API.

# REQ-13-4 System Database Backup

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 10 |  |  |

Rezervito must create a backup of its databases once every 12 hours.

# REQ-13-5 Recoverability

|  |  |  |  |
| --- | --- | --- | --- |
| Non-functional | Priority 7 |  |  |

In case of a system crash, Rezervito should recover in less than 2 hours without any loss of data.

# REQ-13-6 System Report Generation

|  |  |  |  |
| --- | --- | --- | --- |
| Functional | Priority 8 |  |  |

At the start of every week, Rezervito must automatically generate a report for reservations made over the past week in PDF format and send it to the Restaurant manager.