# Car rental application

## Functional and non-functional requirements

### Functional

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| Requirement ID | Requirement description | Must/Want |
| CRA-FUN-01 | The app must have the following pages:   * Home * About * Contact * Register * Log in | Must |
| CRA-FUN-02 | The “Home” page must have the following components:   * Logo of the company. * Banner to show an image. * Menu with the following options:   + Home   + About   + Contact * Buttons to Register/ Log in.   “Register” button mut open the page Register.  “Log in” button must open the page Log in.   * A form with following inputs:   + Type of car   + Pick-up date   + Drop-off date   + Location   + Button “Search” | Must |
| CRA-FUN-03 | The “About” page must have the following components:   * Logo of the company. * Menu with the following options:   + Home   + About   + Contact * Buttons to Register/ Log in: * Information about the company. | Must |
| CRA-FUN-04 | The “Contact” page must have the following components:   * Logo of the company. * Menu with the following options:   + Home   + About   + Contact * Buttons to Register/ Log in. * Contact information, such as phone numbers, email, and social media links. | Must |
| CRA-FUN-05 | The “Register” page must have the following components:   * Logo of the company. * Menu with the following options:   + Home   + About   + Contact * A form with following inputs:   + First name   + Last name   + Date of birth   + Email   + Password   + Button “Save” | Must |
| CRA-FUN-06 | The “Log in” page must have the following components:   * Logo of the company. * A form with following inputs:   + Email   + Password   + Button “Log in” | Must |
| CRA-FUN-07 | Button “Search”:  In the Home page, after the customer fills-up the input fields and clicks on the button “Search” the app must show a list of the cars that meet the filters.  The details per car must show the following information:   * Name of the car * Description of the car * Image of the car * Total price * Button “Book” | Must |
| CRA-FUN-08 | Button “Book”:  The button “Book” will save the following information in the database:   * Type of car * Pick-up date * Drop-off date * Location * Email of the user logged in. * Total price. | Must |
| CRA-FUN-09 | Button “Save”:  In the “Register” page, after the customer fills-up the input fields and clicks on the button “Save”, the app must save the information in the database:   * First name * Last name * Date of birth * Email * Password | Must |
| CRA-FUN-10 | Button “Log in”:  In the Log in page, after the customer fills-up the input fields and clicks on the button “Log in”, the app must check in the database if there is a record with the same email and password, if not, it will show a message. | Must |
| CRA-FUN-11 | The app must calculate the total price depending on the days selected and the price per car per day. | Must |

### Non-functional

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| Requirement ID | Requirement description | Must/Want |
| CRA-NONFUN-01 | The application should be secure. | Must |
| CRA- NONFUN-02 | The application should be scalable to up to 1,000,000 users. | Want |
| CRA- NONFUN-03 | The application should be available 24/7. | Want |
| CRA- NONFUN-04 | The application must have an attractive visual design. | Must |
| CRA- NONFUN-05 | The application should be finished before July 7, 2023. | Must |
| CRA- NONFUN-06 | The application should cost less than $ 500 per year to maintain. | Want |