**S**oftware **R**equirements **S**pecification (**SRS**)

**2.1 Functional Requirements .………………………………….………………………1**

2.1.1 Login for Apartment Owner………………………………………………………………………………....……1

2.1.2 Apartment Owner Post for Maid-Servant…………………………………………………………..……..1

2.1.3Apartment Owner View previous history…………………………………………………………..….…...1

2.1.4 Apartment Owner can View recent post…………………………………………………………..…….…2

2.1.5Apartment Owner can give rating to maid servant …………………………………………..…..…..2

2.1.6 Apartment Owner can view their own profile…………………………………………………….……..2

2.1.7 Apartment Owner can edit their profile……………………………………………………………….……2

2.1.8 Apartment Owner can view maid-servant profile …………………………………………………....3

2.1.9 Apartment Owner post for laundry service …………………………………………………….…….....3

2.1.10 Apartment Owner can booking party center…………………………………………………….…..…3

2.1.11 Login for Admin………………………………………………………………………………………………….…...3

2.1.12 Admin Create apartment owner profile……………………………………………………………….….4

2.1.13 Admin Create Maid-servant profile……………………………………………………………….……..…4

2.1.14 Admin View History………………………………………………………………………………………...……..4

2.1.15 Admin View Recent Post……………………………………………………………………………..…..……..4

2.1.16 Admin Delete Apartment Owner and Maid-Servant profile…………………………..….……5

2.1.17 Admin Edit Apartment Owner and Maid-Servant Profile ………………………………….…...5

2.1.18 Party center booking confirmation…………………………………………………………………….……5

2.1.19 Assign Maid-Servant…………………………………………………………………………………………….…5

2.1.20 Confirm Maid-Servant………………………………………………………………………………………….…6

2.1.21 View party center details………………………………………………………………………………………..6

**2.2 Data Requirements……………………………………………………………………..6**

**2.3 Performance Requirements………………………………………………………..7**

2.3.1 Speed and Latency Requirements…………………………………………………………………………..7

2.3.2 Precision or Accuracy Requirements……………………………………………………………………….7

2.3.3 Capacity Requirements…………………………………………………………………………………………..8

**2.4 Dependability Requirements …………………………………………………….8**

2.4.1 Reliability Requirements………………………………………………………………………………………..8

2.4.2 Availability Requirements………………………………………………………………………………………8

2.4.3 Robustness or Fault-Tolerance Requirements……………………………………………………….8

2.4.4 Safety-Critical Requirements…………………………………………………………………………………8

**2.5 Maintainability & Supportability Requirements…………………..……8**

2.5.1 Maintenance Requirements………………………………………………………………………………….9

2.5.2 Supportability Requirements…………………………………………………………………………….....9

2.5.3 Adaptability Requirements ………………………………………………….………..…10

2.5.4 Scalability or Extensibility Requirements ................................................................10

**2.6 Security Requirements …………………………………………..….. 10**

2.6.1 Access Requirements…………………………………………………………………………………….…….10

2.6.2 Integrity Requirements…………………………………………………………………….……………….…10

2.6.3 Privacy Requirements……………………………………………………………………….……………..….11

**2.7 Usability and Human-Interaction Requirements…………………..……………11**

2.7.1 Ease of Use Requirements……………………………………………………….……………………11

2.7.2 Personalization and Internationalization Requirements ………………………..…….11

2.7.3 Understandability and Politeness Requirements………………………………………....11

2.7.4 Accessibility Requirements……………………………………………………………………………11

2.7.5 User Documentation Requirements………………………………………………………..……12

2.7.6 Training Requirements………………………………………………………………………….……..12

**2.8 Look and Feel Requirements………………………………………………12**

2.8.1 Appearance Requirements…………………………………………………………………….……..12

2.8.2 Style Requirements…………………………………………………………………………………….…13

**2.9 Operational and Environmental Requirements .…...…..……..13**

2.9.1 Expected Physical Requirements………………………………………..…………………………13

2.9.2 Requirements for Interfacing with Adjacent Systems……..…………………………….13

2.9.3 Release Requirements……………………………………………………………………………….….13

**2.10 Legal Requirements ………………………………………………….…….14**

2.10.1 Compliance Requirements……………………………………………....……..14

2.10.2 Standards Requirements. ……………………………………....………..…..14

**2.1 Functional Requirements**

Functional requirements refer to the function which is must be belong to the system. Functional requirements are mandatory to perform the software system. There is no system without functional requirements. Now, we are going to discuss functional requirements for our project.

**2.1.1 Login for Apartment Owner**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR01** | **Login for Apartment Owner** | | |
| **Description** | Admin created an apartment owner account and provide email & password to apartment owner. Then, apartment owner login into the application through email & password that are provided by admin. | | |
| **Stakeholders** | Apartment Owner | **Priority** | High |

**2.1.2 Apartment Owner Post for Maid-Servant**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR02** | **Post for Maid-Servant** | | |
| **Description** | After successfully login, apartment owner can post for looking Maid-Servant. Apartment Owner must be fill up require input field with his requirements then submit the post. | | |
| **Stakeholders** | Apartment Owner | **Priority** | High |

**2.1.3Apartment Owner View previous history**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR03** | **Apartment Owner View previous history** | | |
| **Description** | Apartment Owner can able to see all previous history. After a period of session the all activity of apartment owner, goes to previous history. Suppose, after assigned a maid-Servant to , apartment owner then the post goes to previous history | | |
| **Stakeholders** | Apartment Owner | **Priority** | Medium |

**2.1.4 Apartment Owner can View recent post**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR04** | **Apartment Owner View recent post** | | |
| **Description** | Apartment Owner also can able to see their recent post. The post that is performed recently by apartment owner and not complete yet then those post goes to recent post. | | |
| **Stakeholders** | Apartment Owner | **Priority** | High |

**2.1.5Apartment Owner can give rating to maid servant**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR05** | **Apartment Owner give rating maid servant** | | |
| **Description** | Apartment Owner can give rating to Maid-Servant**.**  After assigning the Maid-Servant for apartment owner. The apartment owner only can give a rating on Maid-Servant profile who are assigning for his work**.** | | |
| **Stakeholders** | Apartment Owner, Maid-Servant | **Priority** | Medium |

**2.1.6 Apartment Owner can view their own profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR06** | **Apartment Owner can view their own profile** | | |
| **Description** | Apartment Owner can see their Profile. There is an option on menu bar called Profile and click on this button Apartment Owner can see their Profile | | |
| **Stakeholders** | Apartment Owner | **Priority** | High |

**2.1.7 Apartment Owner can edit their profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR07** | **Apartment Owner edit their profile** | | |
| **Description** | Apartment Owner can Edit their Profile. For edit their profile firstly they have to go their profile through clicking profile button on menu bar then beside the profile there is an option for editing their Profile called “Edit”. And click the Edit button apartment owner can edit their own profile. | | |
| **Stakeholders** | Apartment Owner | **Priority** | Medium |

**2.1.8 Apartment Owner can view maid-servant profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR08** | **Apartment Owner can view maid-servant profile** | | |
| **Description** | Apartment Owner can see only the Maid-Servant Profile who is assigned for his work. After assigning the Maid-Servant for apartment owner, The apartment owner only can see the Maid-Servant profile who is assigned for his work**.** | | |
| **Stakeholders** | Apartment Owner, Maid-Servant | **Priority** | High |

**2.1.9 Apartment Owner post for laundry service**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR09** | **Apartment Owner post for laundry service** | | |
| **Description** | Apartment Owner can post for laundering their clothes. Apartment Owner needed a laundry service for laundering clothes. For getting laundry service Apartment Owner need to submit a request post by clicking “Laundry” button for getting this service. | | |
| **Stakeholders** | Apartment Owner | **Priority** | High |

**2.1.10 Apartment Owner can booking party center**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FR10** | | **Apartment Owner can booking party center** | | |
| **Description** | For booking party center, Apartment Owner have to do fill up a field with require information and then submit the request for booking party center. | | | |
| **Stakeholders** | Apartment Owner | | **Priority** | High |

**2.1.11 Login for Admin**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR11** | **Login for Admin** | | |
| **Description** | An admin email and password to be saved into database that provide to admin. And admin login the Application through using this saved email & password. | | |
| **Stakeholders** | **Admin** | **Priority** | High |

**2.1.12 Admin Create apartment owner profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR12** | **Admin Create apartment owner profile** | | |
| **Description** | Admin can create the apartment owner profile with Valid require information like Name, Phone number, Address, Email etc. Admin must be login into the Application for perform this task. | | |
| **Stakeholders** | **Admin** | **Priority** | High |

**2.1.13 Admin Create Maid-servant profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR13** | **Create Maid-servant profile** | | |
| **Description** | Admin can create the Maid-servant profile with Valid require information like Name, Phone number, Address etc. | | |
| **Stakeholders** | Admin | **Priority** | High |

**2.1.14 Admin View History**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR14** | **View History** | | |
| **Description** | All of previous task that was completed like assigning Maid-Servant, Party center booking and other are goes to previous history. Admin can sell All previous history by clicking Previous History button. | | |
| **Stakeholders** | Admin | **Priority** | Medium |

**2.1.15 Admin View Recent Post**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR15** | **Admin View Recent Post** | | |
| **Description** | Admin able to see all recent post and take the decision for going next step. The recent post that is requested by apartment owner and no action taken yet against of this recent post is going to recent post. | | |
| **Stakeholders** | Admin | **Priority** | High |

**2.1.16 Admin Delete Apartment Owner and Maid-Servant profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR16** | **Delete Profile** | | |
| **Description** | Only admin can delete all type of profile such as apartment owner profile, Maid-Servant profile. | | |
| **Stakeholders** | Admin | **Priority** | High |

**2.1.17 Admin Edit Apartment Owner and Maid-Servant Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR17** | **Edit Profile** | | |
| **Description** | Admin also can able to edit the apartment owner and Maid-Servant profile | | |
| **Stakeholders** | Admin | **Priority** | Medium |

**2.1.18 Party center booking confirmation**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR18** | **Party center booking confirmation** | | |
| **Description** | Admin getting party center booking notification from apartment owner, then admin check the schedule and other info and confirm the booking. | | |
| **Stakeholders** | Admin | **Priority** | High |

**2.1.19 Assign Maid-Servant**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR19** | **Assign Maid-Servant** | | |
| **Description** | Admin getting Maid-Servant assigning request notification from apartment owner, then admin check the schedule and apartment owner requirements and other info and send two or three Maid-Servant profile to apartment owner for final confirmation. | | |
| **Stakeholders** | Admin, Apartment Owner, Maid-Servant | **Priority** | High |

**2.1.20 Confirm Maid-Servant**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR19** | **Confirm Maid-Servant** | | |
| **Description** | Admin send two or three Maid-Servant profile to apartment owner for final confirmation. Apartment owner see those profile and confirm appropriate Maid-Servant. | | |
| **Stakeholders** | Apartment owner, Admin | **Priority** | High |

**2.1.21 View party center details**

|  |  |  |  |
| --- | --- | --- | --- |
| **FR19** | **View party center details** | | |
| **Description** | Apartment owner can see party center details | | |
| **Stakeholders** | Apartment owner | **Priority** | Medium |

**2.2 Data Requirements**

Data requirements prescribed scope and level of detail required to achieve the model objectives. Gathering system data is to determine what data is required for building the model. Instead of gathering general system data it’s better to gathering specific system data. An overall process flow can provide more detailed information. A process flow also helps to build a model building process.

We focus some of main points. Such as:

* The type of entity and their attributes
* Types of resources
* Route locations and their capacity
* Routing decision
* Quantity of data
* What activity
* Entities movement

**2.3 Performance Requirements**

Incorrectly defined performance specifications can lead to disputes between clients and suppliers.

**2.3.1 Speed and Latency Requirements**

In some cases, the response time will be dictated by legal requirements although this is rare. Response time is important for user satisfaction. If any system loaded more than 10 seconds then user avoid them.

|  |  |  |  |
| --- | --- | --- | --- |
| **RT1** | **View and post result should be show less than 3 second** | | |
| **Description** | When the Apartment Owner or Admin want to see any information then the view result must be show less than 3 second. | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | Medium |

**2.3.2 Precision or Accuracy Requirements**

Always show the accurate result to all type of user. Wrong information arise misunderstanding.

|  |  |  |  |
| --- | --- | --- | --- |
| **PAR1** | View Result must be accurate | | |
| **Description** | When the Apartment Owner or Admin want to see any information then the view result must accurate. | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | Medium |

**2.3.3 Capacity Requirements**

The system should be capable of supporting a certain amount of customers and a certain amounts of interactions.

|  |  |  |  |
| --- | --- | --- | --- |
| **RT1** | Supporting a certain amount of customers and a certain amounts of interactions. | | |
| **Description** | Suppose the system must support 10,000 Apartment Owner and 2000 interactions per day. | | |
| **Stakeholders** | Apartment Owner, Admin, Maid-Servant | **Priority** | Medium |

**2.4 Dependability Requirements**

The dependability is measured based on four dimensions. Such as:

* Reliability
* Availability
* Durability
* Security
* Safety

Dependability is the ability to provide services that can defensibly be trusted within a time-period.

**2.4.1 Reliability Requirements**

Reliability is the probability of failure-free operation of a system over a specified time within a specified environment for a specified purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **DR1** | System must be failure-free | | |
| **Description** | The system must be failure-free operation system and technical error free over a specified time within this type of environment. | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | High |

**2.4.2 Availability Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **AR1** | The ability of the system to deliver service when requested | | |
| **Description** | The system must be available on 24 X 7. The ability of the system to deliver service when requested | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | High |

**2.4.3 Robustness or Fault-Tolerance Requirements**

Ensure the system can cope with error during execution. Also ensure that the system continue properly even of the failure of some of its components.

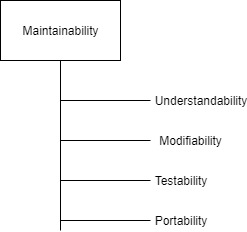
|  |  |  |  |
| --- | --- | --- | --- |
| **RFT1** | Ensure that system can handle all user access or any external tolerance. | | |
| **Description** | The system can cope with error during execution. Also ensure that the system continue properly even of the failure of some of its components | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | High |

**2.4.4 Safety-Critical Requirements**

There are no safety-critical requirements in our project.

**2.5 Maintainability & Supportability Requirements**

Maintenance is the activity of modifying a software product after initial delivery.

****

**2.5.1 Maintenance Requirements**

Its main purpose is to modify and update software application after delivery to correct faults and to improve performance. Ensure the all type of maintenance requirements

* Corrective Maintenance
* Adaptive Maintenance
* Perfective Maintenance
* Preventive Maintenance

**2.5.2 Supportability Requirements**

Software Supportability is the capability of supporting a software system over its whole product life.  
It covers the following key aspects associated to the system

* Operation (install, loading or unloading, configuration, error recovery and execution)
* Logistics Management (once a new baseline has been produced)
* Modification (fixing bugs, or adding/changing functionality due to changing user needs)

**2.5.3 Adaptability Requirements**

There are no adaptability requirements in our system software

**2.5.4 Scalability or Extensibility Requirements**

Make sure that the system can adapt easily with new functionalities, interfaces, devices and new input types.

**2.6 Security Requirements**

System security is most important requirements. For lack of securitythe data would be stealing, manipulating data and causing denial of service.

Some security related categories

* Permission to access data
* Verification
* Securing information
* Security policies

**2.6.1 Access Requirements**

Reduce unauthorized access there have some barrier. There remain some authentication and authorization techniques.

* Strong Access Control Measures
* Maintain an Information Security Policy
* Regularly Monitor and Test Networks
* Build and Maintain a Secure Network

**2.6.2 Integrity Requirements**

Ensure that data and communications are not intentionally corrupted via unauthorized creation, deletion, modification.

We use Hash value for sensitive data.

**2.6.3 Privacy Requirements**

Privacy requirements are mostly needed for a system. In our system we associate the Users and admin area and everyone can see only the area that is associated with them.

**2.7 Usability and Human-Interaction Requirements**

The system can be failed for Usability. User Experience is one of the most important factors to any system. The system must be easy to use, easy to understand and easy to learn.

**2.7.1 Ease of Use Requirements**

Our system is very easy to use and easy to understandable. There is no long process to complete a task. User can complete their action with a few steps.

**2.7.2 Personalization and Internationalization Requirements**

In our Project there are no personalization and internationalization requirements.

**2.7.3 Understandability and Politeness Requirements**

We made this system base on a targeted area and all of those targeted area people have known about our system because this system is make their life easier. User can understand this system by own.

**2.7.4 Accessibility Requirements**

The requirements for how easy it should be for people and our system is very much easy to use and understand

**2.7.5 User Documentation Requirements**

Gather the user expects and must do it in system properly is mandatory because this requirement given by user directly. And after the complete the system user can give new requirements then it’s also be added in system.

**2.7.6 Training Requirements**

If it’s need to training the user for use the system properly then it’s must to training them properly.  
In our project we don’t need this type of training for user but a simple guide for them.

**2.8 Look and Feel Requirements**

If your systems look garbage then user can fell boring and not going to next step. Look and feel requirements are how the system will look like and how the user interface or graphical user interface of our system will display to the user.

**2.8.1 Appearance Requirements**

Apartment Owner and Admin have to know which field is require and which is not because we make it easy understandable. Such as, if there any optional field then the word “optional” appeared into the field.

|  |  |  |  |
| --- | --- | --- | --- |
| **AR1** | In optional field the word “optional” must appear into the field | | |
| **Description** | If there is no optional word appeared into the field that means this field is mandatory for input. | | |
| **Stakeholders** | Apartment Owner, Admin | **Priority** | High |

**2.8.2 Style Requirements**

Keeping all contents within a format is easy to understandable for user. A good style can attract to user keep them into the system long time.

|  |  |  |  |
| --- | --- | --- | --- |
| **SR1** | All content must be appear within a format | | |
| **Description** | Input field and other view result show an specific format | | |
| **Stakeholders** | Admin | **Priority** | Medium |

**2.9 Operational and Environmental Requirements**

Operational requirements are those statements that identify the essential capabilities, associated, and performance measures.

The operational environment stands for political, social, legislative, economic, cultural and natural environmental factors that significantly affect the implementation of any cooperation.

**2.9.1 Expected Physical Requirements**

There are no physical requirements in our system.

**2.9.2 Requirements for Interfacing with Adjacent Systems**

There are no requirements for interfacing with adjacent system for our project.

**2.9.3 Release Requirements**

There are no specific release requirements in our system.

**2.10 Legal Requirements**

Legal Requirements means, as to any Person, any requirement under a Permit and any Governmental Rule. But our system there is no connection with Government.

**2.10.1 Compliance Requirements**

There are no compliance requirements for our system**.**

**2.10.2 Standards Requirements**

There are no standards requirements for our system.