 Project for CSE471

**Title of the Project: Rent-a-gadget**

**Group Number: 19**

**Group Members: 01**

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Assignment for CSE471

# Requirement analysis

1. **Functional Requirements**
2. **For Users**
3. A user can Sign Up for only one account using his own Contact number, SSN/NID and Current/Permanent Address.
4. Any User can upload pictures of their own cool gadgets that they want up for rent
5. A user can select minimum/maximum days of renting their gadgets.
6. A user can upload multiple gadgets renting post at once.
7. Owner or Borrower anyone can rate each other after the product is returned.
8. A user can mark his location for quick access which would be linked to Google Map
9. Borrower can pay through online banks or cryptocurrency regarding his accessibility
10. User can choose their favorite genre of gadgets and turn on notifications for that.
11. A user can pay ad money to get attention of their gadget
12. **For Authority**
13. Pull up notifications to all the users regarding their favorite gears.
14. If multiple users want to borrow a particular gadget, then turn on the automated bidder option.
15. Add as many as online/offline cash flow option possible
16. If a user post with wrong info, already created automated AI to penalize them extra money for next rent or block their ID for good.
17. **Software & Bug Fixes**
18. Create a downloadable online voucher for both owner and borrower
19. Categorize gadgets regarding their features
20. Send instant feedback of internet connection during payment or uploading a post so that no user feel any hassle
21. Send instant feedback to the developer team if the app freezes or crashes on any device
22. Create a record of a user’s personal info, posts and borrowed gadgets
23. Send live ratings of a user just behind their names regarding their average rating of all stuffs
24. Automatically send the owner’s and borrower’s contact to the authority when a gadget is selected to be rented

**2. Nonfunctional requirements**

**A. Operational requirements:**

A.1 The system should be able to work in any web browser.

A.2 The system will operate in Windows environment.

**B. Performance requirements**

B.1 Response time should be less than 10 seconds.

B.2 The database will be updated after any member puts any device on the database.

B.3 The system should be available for 24 hours’ use.

**C. Security requirements**

C.1 Only admin have the authority to permit the gadget after checking its conditions.

C.2 The system will guaranty customer’s information on source and destination confidential.

**D. Cultural and political requirements**

D.1 During strikes and political gatherings and rally our delivery about devices (from whom we will collect the device and will go to them who will be lending) may be not on time.

D.2 only the devices that have proper documents will be granted for the website/app.