17351:- Human Computer

Interaction

End Semester Examination 2020-2021

MOTHER OF THE STATE OF THE CONTROLLY

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ROU No.: 181IT113 Date: 25th April, 2021

| mataria and the breton | |
|------------------------|--|
| Icon | About US Contact US |
| Library | Library Management System. |
| Dissession a | Features Transform with the |
| @ pashboard | (Login (III) |
| 18 Members 1 | New Student New Book New Account Statistic |
| @ Returned | A NOTE OF THE A TENNETON TOLA |
| 1 Not Returned | -Action benziden /en |
| Ocancel member | |
| the about | Issue book Return book Search Complain |

- GUI elements be to subject (6)
 - -> A menu bar
 - A navigation bas
 - -> Icons for features
 - > kons for Actions

Menu bar consists of the following:

small every the class course our self explanat

Vertical menu to add depth.

consists of

Dashboard: a user's account (home page)

Members: a list of users in the library

management System

Issuea - a list of books usued.

The list changes depending on who has wogged into the system.

If it is a student, his ther list of books will be show

If its a manager, list of all the books issued by students will be shown.

Returned: A list of books borrowed and

Not returned: A list of books borrowed but not returned.

Cancel membership

Mavigation bar consuts of clickable about and contact us.

Features are highlighted war the use of icons. Its easy to inturpret and undustand.

Actions

Issue book consists of a plus sign which means a new book is added to the list.

Similarly, the other icons are self explanatory.

(b) The new design consists of a speech recognition system and gesture control system.

In the beginning, the wer intulace ask the uses to great a set of permissions through speech.

A speech system asks is speech recognition System is required or not. This can help the blind users.

Feature

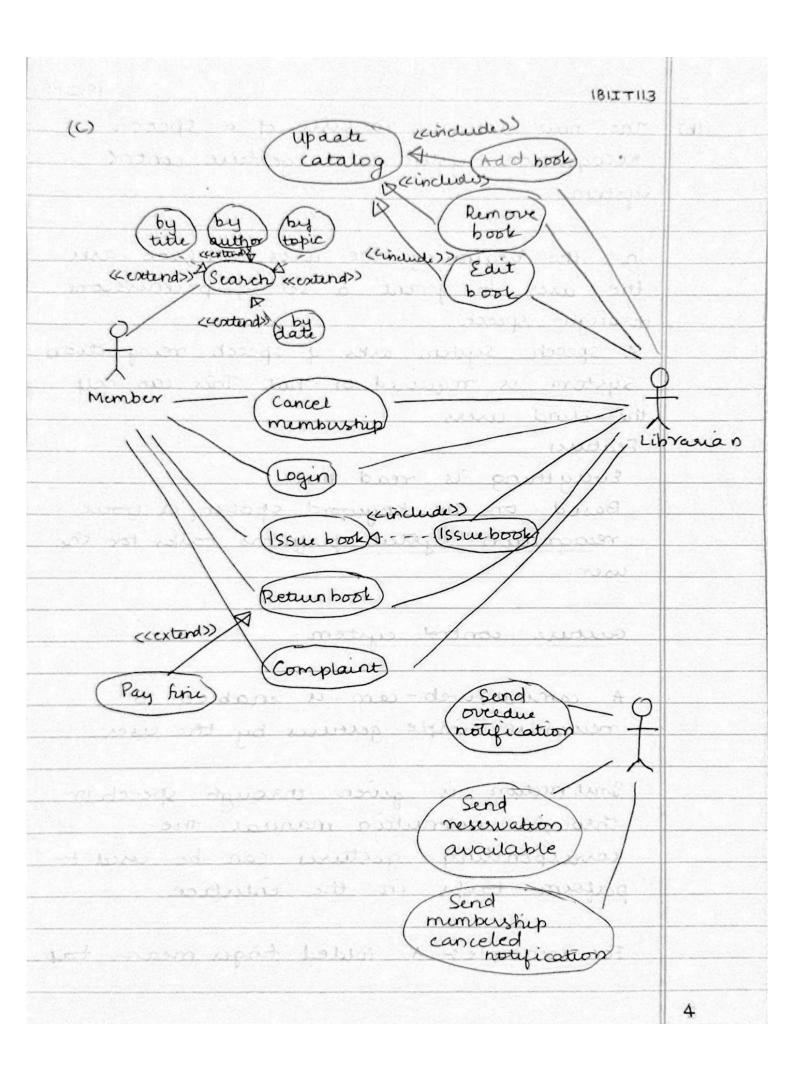
Everything is read out. Based on the keyword spoken, a wow recognition system purforms tasks for the user,

acuture control cystem

A camera/web-cam u enabled to necognise simple gestures by the user

Instruction is given through speech or through instruction manual the corresponding gestures can be used to perform tasks in the interface.

For example: A folded tingu means tap.



Return a book o begin member scans / searcher for a book System fetches book detall System checks of book is being returned in due date. Calculate fine Yen Greate transaction Cellect fine System decrements no System checks if book is rescrived system updates book to be yes Reserved System updates to available. System sends notification

| Q.2 (N.77.8) | BITTHE |
|--|-----------------|
| Feedbacks. | |
| Steering wheel + physical contact with driver's fingers. | |
| driver's trigers. | |
| A CONTRACT C | |
| Clother - physical contact with driver's body. | |
| Seat - physical contact with driver's back | |
| Seat -> physical contact wan driver's back and legs. | |
| dashboard - physical contact with driver | ی |
| fingers. | |
| pedal - physical contact wan devier's for | s1 . |
| Scat bett - physical contact with duver's | |
| AND CONTRACTOR AND ANY | |
| Environment and nardware interfaces for the same (above mentioned). | |
| 나가 하는 사람들은 아버지에게 얼마나 맛있다면 맛있다면 맛이 얼마나 하는데 되었다면 하는데 아내를 하는데 하는데 하는데 아내를 하는데 사람들이 되었습니다. | |
| Sold of the state | |
| Steering wheel: | |
| Helps driver to operate perpendicular | |
| parking. | |
| Operation: | |
| Evaluates required steering movement | ncts |
| to pursum parking and quider the | |
| drives in their execution using | |
| kinesthetic bredback at steering wheel | |
| | ۲. |

Navigation:

using a waist best to convey directions

This enables tactile Stimulations all around

the driver.

A wearable belt: 8 tautors located around the belly to indicate directions

Warning Systems:

can be categorised undu haptic warning systems.

Cellision prevention

A combination of tactors located on the hands and around the wrist can be used (tactile warning).

Lane Departure.

Tatile fredbook located on the Steering wheel could be effective to warn drivers of lane departures.

Drivers vibrotabile feedback was intiutive as their vehicle was deviating their feel ribrations

Speed control.

controlling reaction tonce of accelerator pedal.

horasol restant 8 - that Stupen run A

In a nutshed, tactile and kinesthelic feedback can be used at sep different parts of contact between device and car to enable haptic stimulation.

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