

Propose Design “Accessing books in Library through tangible media”

Purpose:

Accessing books in library with the help of a virtual agent and keeping record of books using RFID.

Requirements:

System, touch screen monitor, RFID (sensor, reader), card reader, Virtual agent software, Chabot, database.

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Idea behind using virtual agent and RFID reader, card reader is for searching and locating books with the help of a virtual agent which directs users to exact location of books and also tell about the availability of books.

Process:

User comes to library for finding books. He/She first comes to a system to locate books with the help of Virtual agent.

He/She initially swaps the card (located near the system) to enter for search which this system does automatically read user identity.

Using the search option users can search books and the virtual agent will help users to get it through directing exact location of books.

Then user can locate the book and then he has to come again near the system to get it issued or not tracking can be done through RFID.

For locating the book (every book having RFID) from shelf, user has to pass on from RFID reader which will be attached near touch screen doing this system will automatically update record about book status.

Security issue:

RFID reader can be put on entrance if some one forgets to read his/her book near system another RFID which is located near entrance read and sends alert.

