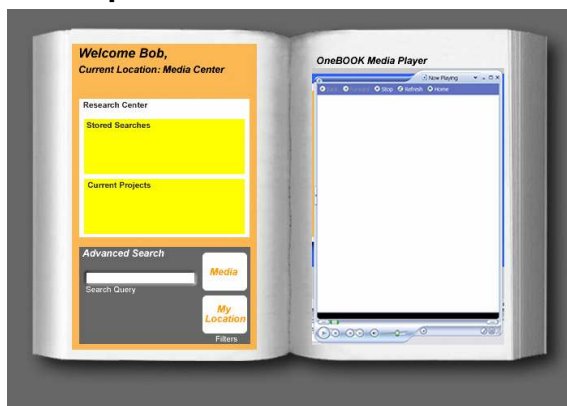| Course	Digital Libraries – Summer Term 2004
Date	07.07.2004
Assignment	OneBOOK Tangible Digital Library Interface Concept
Author	Darren Carlson

One*BOOK*
A single book with all the answers!

OneBOOK is a personalized, location aware, media ready digital book system. With OneBOOK, all the information you will ever need is in… your one single Book! Users can use OneBOOK to connect to a new network of digital library sources that allow you to search for information, play media, plan projects and store personalized information from within a physical book. The tangible component of the OneBOOK system is the mobile nature of the book itself as pages of digital content. When you pick up your OneBOOK, your fingerprint instantly identifies yourself and customized the book – all your stored information, media and research are automatically loaded. OneBOOK uses high resolution electronic paper for content display.

Your information searching becomes context aware and streamlined. In addition, the OneBOOK system is capable of connecting to a secure network of digital libraries that provide context sensitive information wherever you are. Media information is available in libraries, secure information in secure zones and general information is available everywhere. In addition, all your latest magazine subscriptions are delivered digitally to your OneBOOK. Lastly, since there are several pages inside your OneBOOK, queries and reading material can be organized across different pages.
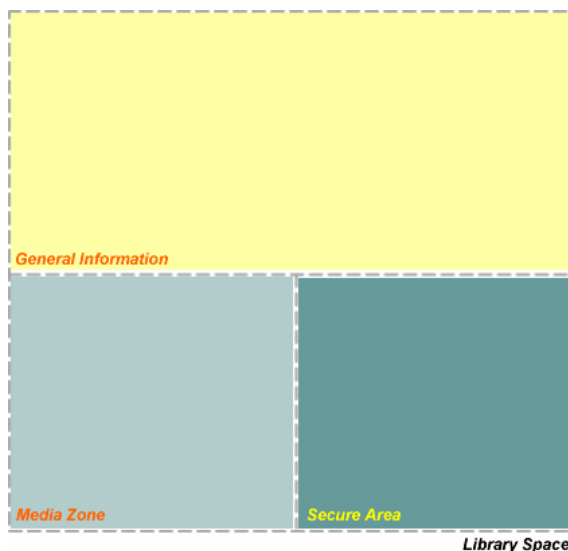
The OneBOOK system includes the following components:
1. A OneBOOK personalized book
2. A network digital libraries "Information Zones" that can be physical or virtual
3. A backend media and information server system

Concepts

The OneBOOK physical interface

Example OneBOOK Information Zone

Quick Points
o Location can influence library options
o Location may influence queries
o Books are personalized
o Books are touch sensitive
o Books use high resolution, bendable electronic paper displays
o Books have multimedia capabilities
o Books can connect wirelessly to several digital library sources
o Personal information is replicated in the network
o OneBOOK Information Zones can be constructed to suit specialized needs
o Information zones can be constructed in hierarchies like room, building, city, etc.
o Each OneBOOK page can store unique information; like search queries, book content and media displays.
o OneBOOK page content can be easily exchanged or updated.