INITIAL DESIGN APP INTERFACE









PROBLEM STATEMENT

"A proof-of-concept for a library navigation application"

SCREENSHOTS OF THE APP











ArcGIS

App available for many users

Navigates within Shelf Bay







NavApp

App available <u>only</u> For Oklahoma University.

Navigates within Shelf Bay





Minrva

App available for many universities,

specific bay & shelf number







LibCompass

App available <u>only</u> for City University of Hong Kong

Navigates within Shelf Bay







InMapz

App available for all users

Gives details about the searched item



COMPARATIVE ANALYSIS





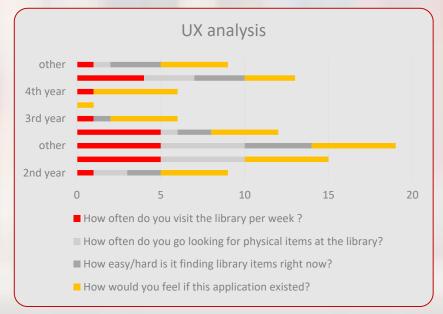


WEBSITE SCREENSHOT

bibsearch.github.io/index.html



UX /SURVEY RESULTS



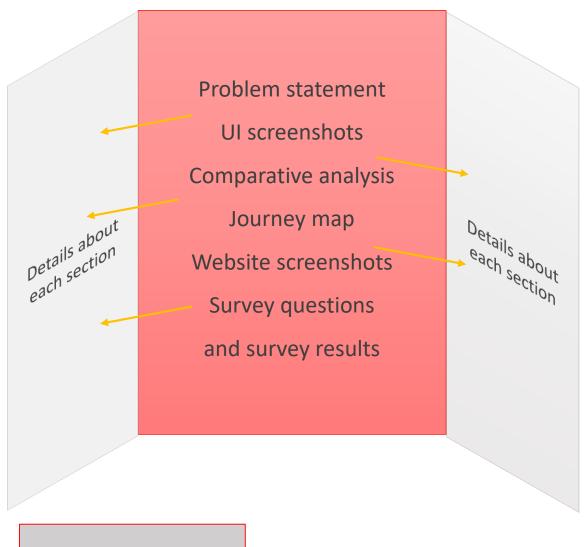
would a library
navigation application
encourage you to use
the library's resources...

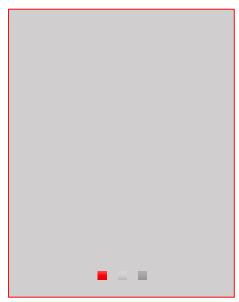
10

NO YES

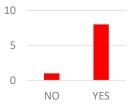
Team members
Alex Loupova, Ishani Saha Roy,
Sarah Barssoum, Alejandro Garcia,
Vincent Bugler
Supervisor:
Omair Shafiq
BIT-IRM Carleton University

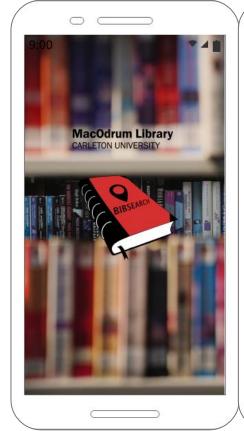
POSTER DRAFT

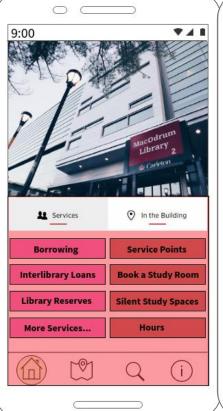


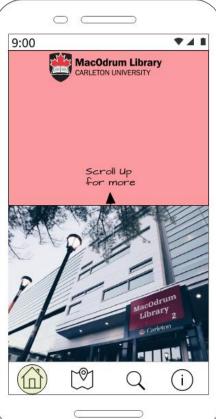


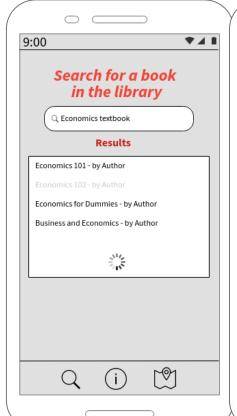












∓ NavApp

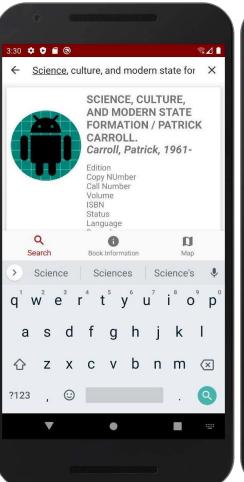
BookMark



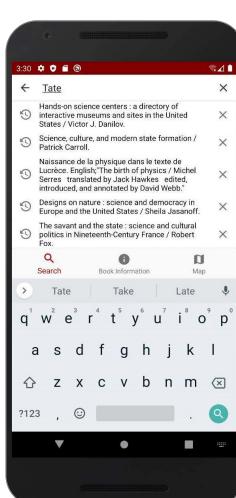


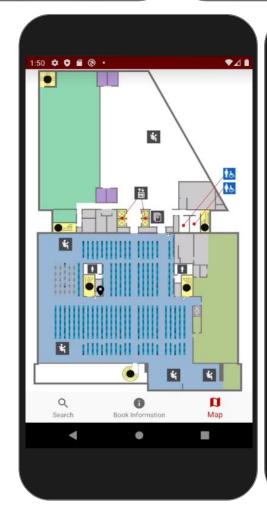
= LibCompass

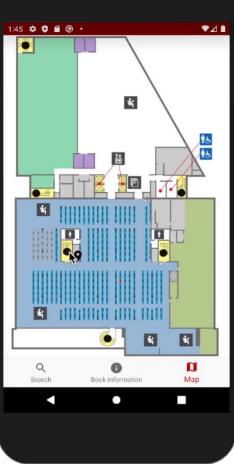
study or ation?	Both	Application	Application	Application	Application	Application
	Android	Android, iOS	Android	Android, iOS	Android, iOS	Android, IOS
ology used	Phone camera (to scan barcode)	Bluetooth beacons & Wi-Fi (where available)	Bluetooth beacons	Wi-Fi and Bluetooth	Bluetooth beacons & Wi-Fi (where available)	Location access & Wi-Fi (where available)
	App available only for Swansea University	App available only for University of Oklahoma	App available for many universities, location services limited	App available for many users	App available only for City University of Hong Kong	App available for all users
o use?	Yes	Yes	Yes with paid subscription options	Available for \$0 but not all the features are available. A subscription fee is required for other features.	Yes	Yes
tructure/ ment costs	None	Aruba Bluetooth beacons Meridian software	Bluetooth beacons	None	Bluetooth beacons	None
sion of ation	Within shelf bay	~1m	Bluetooth location averages ~1m precision	Within shelf bay	Within shelf bay	Gives many details about the searched item
guide ns to fic book/bay elves?	Yes; bay	Unclear (but likely yes)	Yes; specific bay & shelf number	Yes; shelf	Shelf	No
res	Static navigation (not real-time) Ability for library staff to update shelves Navigates multiple floors Built-in feedback form	Real-time navigation Service points POIs Information about events Proximity push notifications Link to digital resources	Real time navigation overtop of an up to date map of the facility Functions for multiple different facilities "Popular near me" books are displayed	Real time navigation with precise indoor location positioning system. Ability to make your own maps	Real-time navigation to shelves, service points, and equipment.	Displays things like restrooms, food, ATM, Security, escalator. details about stores such as hours and deals are also available.











Name + logo About Help / FAQ Our team Download Left open for suggestions

 $Latest\ News!$ This area can contain version or patch notes to keep people in the know if we make any changes to the app.









Ŧ	BookMark =	NavApp =	Minrva =	ArcGIS =	LibCompass =	InMapz
or ?	Both	Application	Application	Application	Application	Application
	Android	Android, iOS	Android	Android, iOS	Android, iOS	Android, IOS
/ used	Phone camera (to scan barcode)	Bluetooth beacons & Wi-Fi (where available)	Bluetooth beacons	Wi-Fi and Bluetooth	Bluetooth beacons & Wi-Fi (where available)	Location access & Wi-Fi (where available)
or use?	App available only for Swansea University	App available only for University of Oklahoma	App available for many universities, location services limited	App available for many users	App available only for City University of Hong Kong	App available for all users
?	Yes	Yes	Yes with paid subscription options	Available for \$0 but not all the features are available. A subscription fee is required for other features.	Yes	Yes
ure/ costs	None	Aruba Bluetooth beacons Meridian software	Bluetooth beacons	None	Bluetooth beacons	None
of	Within shelf bay	~1m	Bluetooth location averages ~1m precision	Within shelf bay	Within shelf bay	Gives many details about the searched item
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BookMark

- o Uses phone camera. 6
- App available <u>only</u> For Swansea University.
- Navigates within Shelf Bay
- o Features:



- Static navigation (not real-time)
- Ability for library staff to update shelves
- Navigates multiple floors
 - Built-in feedback form

NavApp

- Uses phone camera.
- App available <u>only</u> For Oklahoma University.
- Navigates within Shelf Bay
- Features: Real-time navigation
 Service points POIs Information
 about events Proximity push
 notifications Link to digital
 resources Stronger with Wi-Fi



Available for: