

Alexandria University - Faculty of Engineering
Electrical Engineering Department

Summer Research Project - 2015

Weekly Report Num. 3

Supervision:

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Researcher:

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Research Fields:

databases, android/web development and machine learning.

Research Goals:

Developing an intelligent application for efficient database management.

Development of a front-end (android/web app) and back-end prototype, and the design of a database to store various data with a large set of attributes.

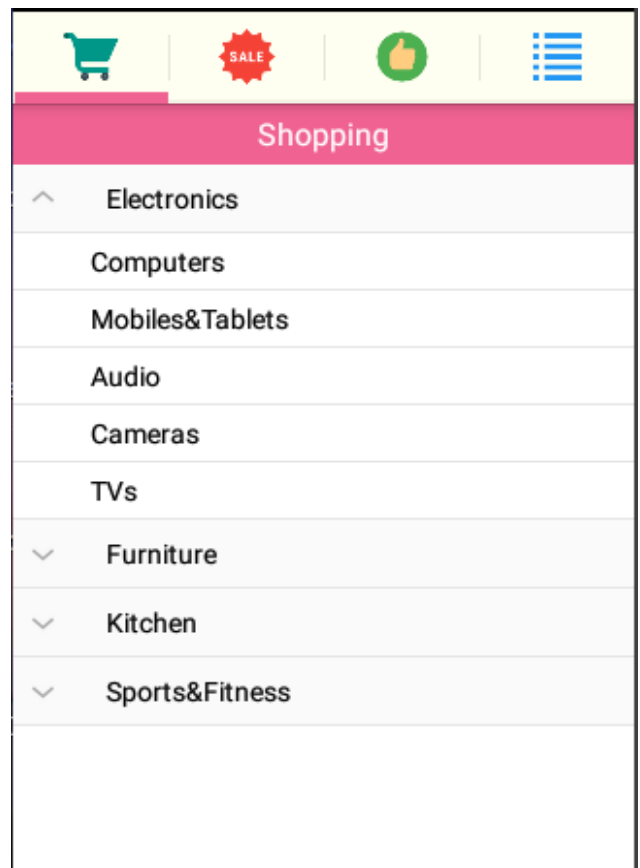
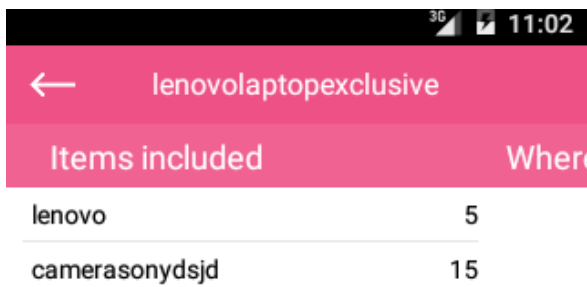
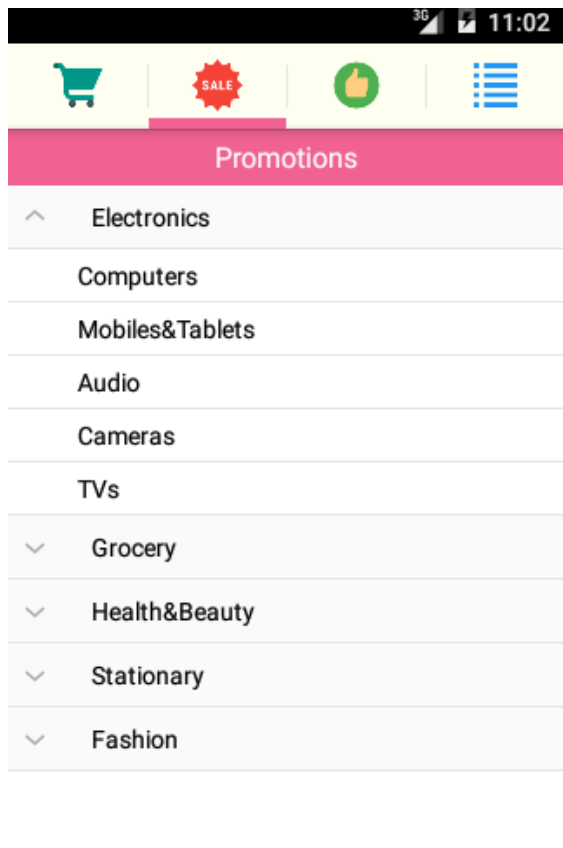
Capability of applying intelligent data management techniques on the stored data.

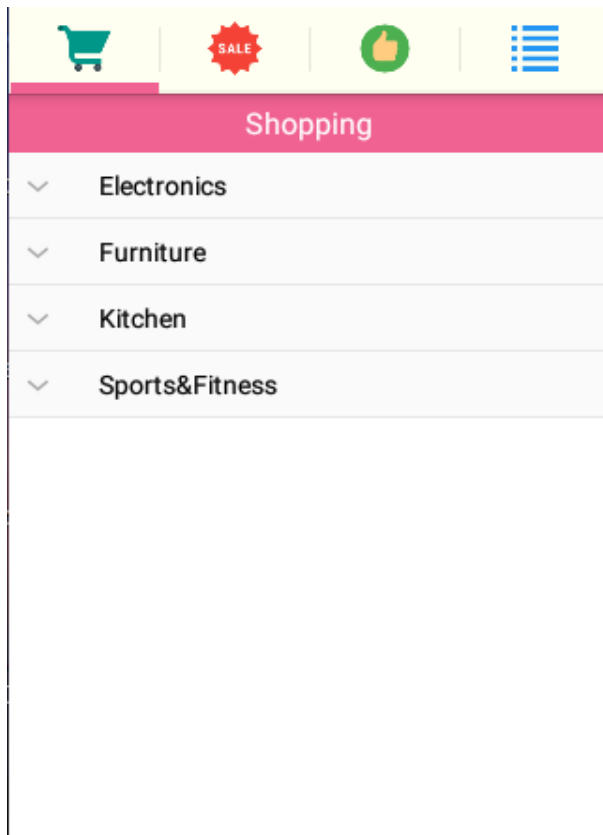
Week-3 approach

- Implementing the server side operations (client operations) in interaction with database connection manager.
 - Implementing the http requests made by android devices using okhttp library.
 - Implementing the http response using php and json to support the server side operations.
 - Parsing json response and checking status.
 - Implementing the android user interface and back-end tasks to interact with json response.
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- Test server side operations script for correctness.
 - Test server side operation responses for correctness.
 - Test android interface for correctness..
 - Test android back-end tasks and json parsing for correctness.

Android Testing screenshots using emulator

Server side scripting was uploaded to an online server hosting php script and mysql database with some testing data. Emulator sends http request and parse json responses.





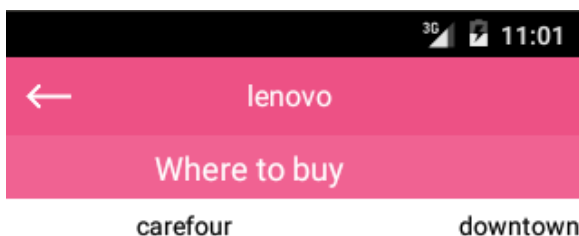
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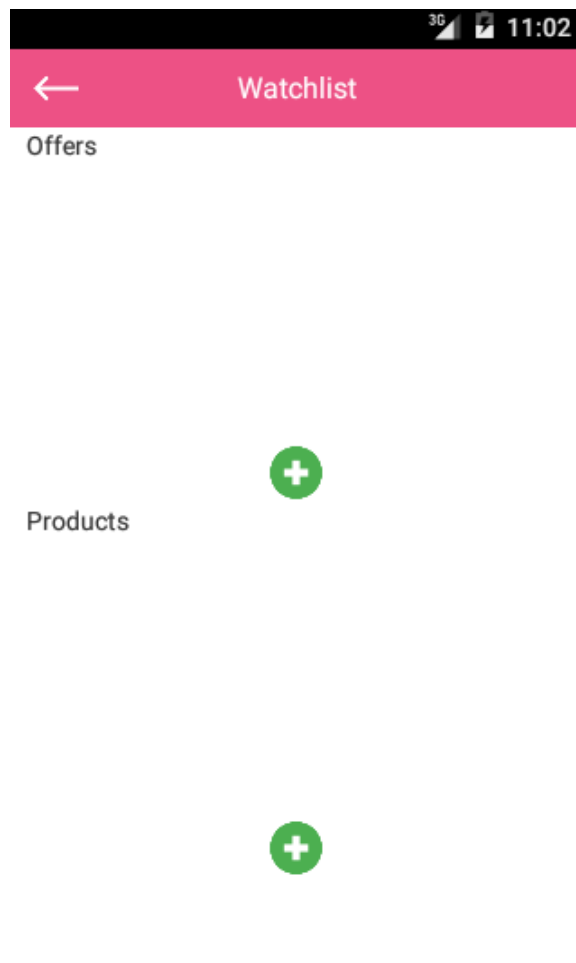
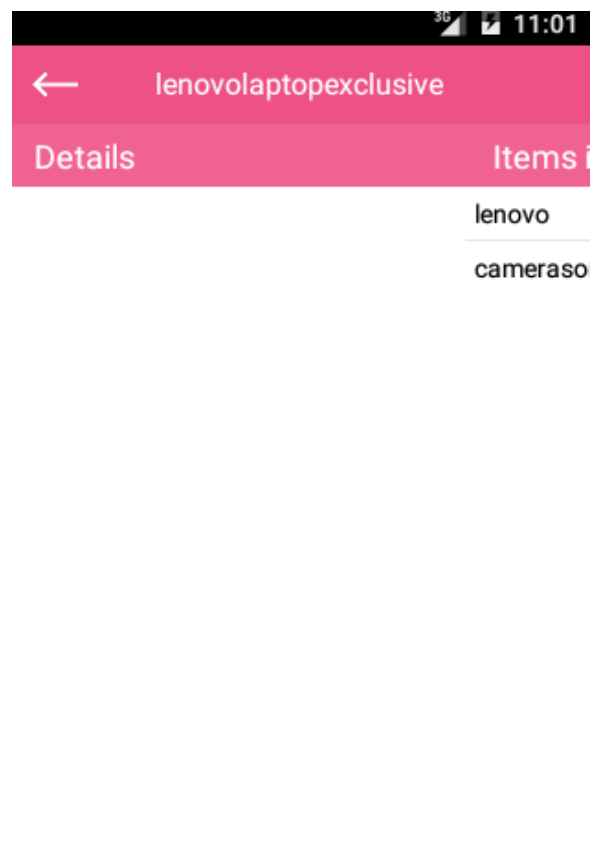
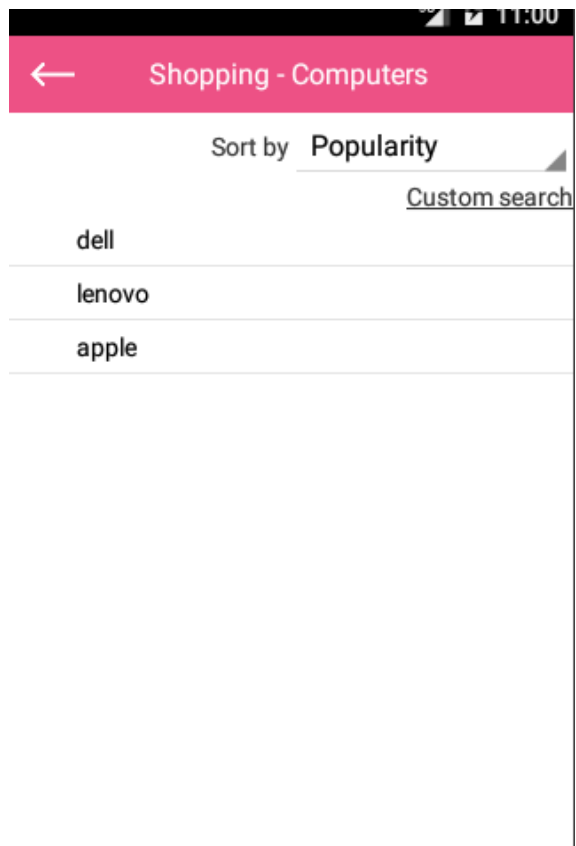
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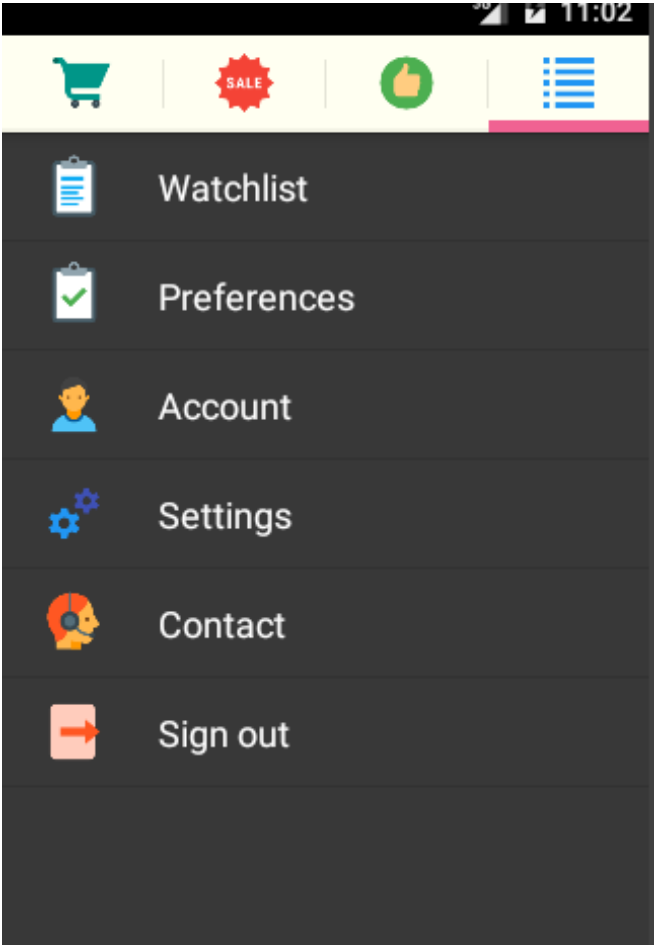
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| 14mm | |
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| yes | |
| bgna/b/a | |
| nvidia | |