STORE MAPPER

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Design and Architecture

- Client side- Create an app to provide an easy to use interface for stores to create floor maps and track inventory

- User side- Create an app to provide interactive maps of stores, saving customers search time and having to ask employees
  - Provide a database of store maps customized to each individual store
  - Provide a database of inventory for the individual store for the customer to search from
Client side- GUI to customize floor map and add inventory

User side- could be built as a web app, using JavaScript/PHP, or be built as a phone app for both OS and Android

- Need a database to store maps/inventory
- May need a path-finding method

Future Extensions and Potential Challenges

- Can be extended to Mall Mapper, Sky Mapper (Towers/Buildings), City Mapper, etc.
- Is there value in optimizing store layout?
- How do we determine what constitutes “shortest path”? (the more advanced mappers)
- Could be difficult getting store’s participation to build up database