



# DASHTRICKS

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# MOTIVATION

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Millions die each year from preventable disease. Research shows that improvements in vaccine delivery have helped dramatically, but there are still large amounts of people that go unvaccinated despite available resources.

# PROBLEM STATEMENT

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Quality data is neither easily accessible nor properly utilized to assist District Immunization Managers in making proper management decisions.





# CURRENT METHODS

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Paper based registry and ledgers

In person checking of refrigerators

Excel based tools

- District Vaccine Data Management Tool

- Stock management tools





# BARRIERS

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## Time constraints

“He does not have time to spend on the surveillance and monitoring and evaluation tasks that he knows are important.”

- Abdu from the PATH Personas document



# BARRIERS

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Limited Resources on Transportation





# BARRIERS

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Worse, district managers find themselves bringing vaccine supplies to health facilities that don't need them.





# EFFECTS

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District managers feel like they are in a “silo” and have no systematic access to the health problems in their area. Thus a missed opportunity for motivation and evidence-based leadership

# DESIGN CHALLENGE

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visualize data to help district manager realize problems and make decisions intuitively and correctly.



# DESIGN SOLUTION

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DashTricks is an Android tablet app for monitoring key Immunization indicators in health facilities in a particular district

# DESIGN SOLUTION

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## Key Indicators

Immunization Coverage

Vaccine Stock Levels

Cold Chain Performance

## Target Audience

District Immunization Managers



# RELATED WORK

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The Better Immunization through Data (BID) Initiative seeks to broadly address the issues that exist in data collection and usage for immunization through both technical and nontechnical solutions.

# RESEARCH

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## Expert Interview

Fahad - DHIS2 Server Manager

Brian - PATH

Henry Mwanyika - PATH

## Analysis

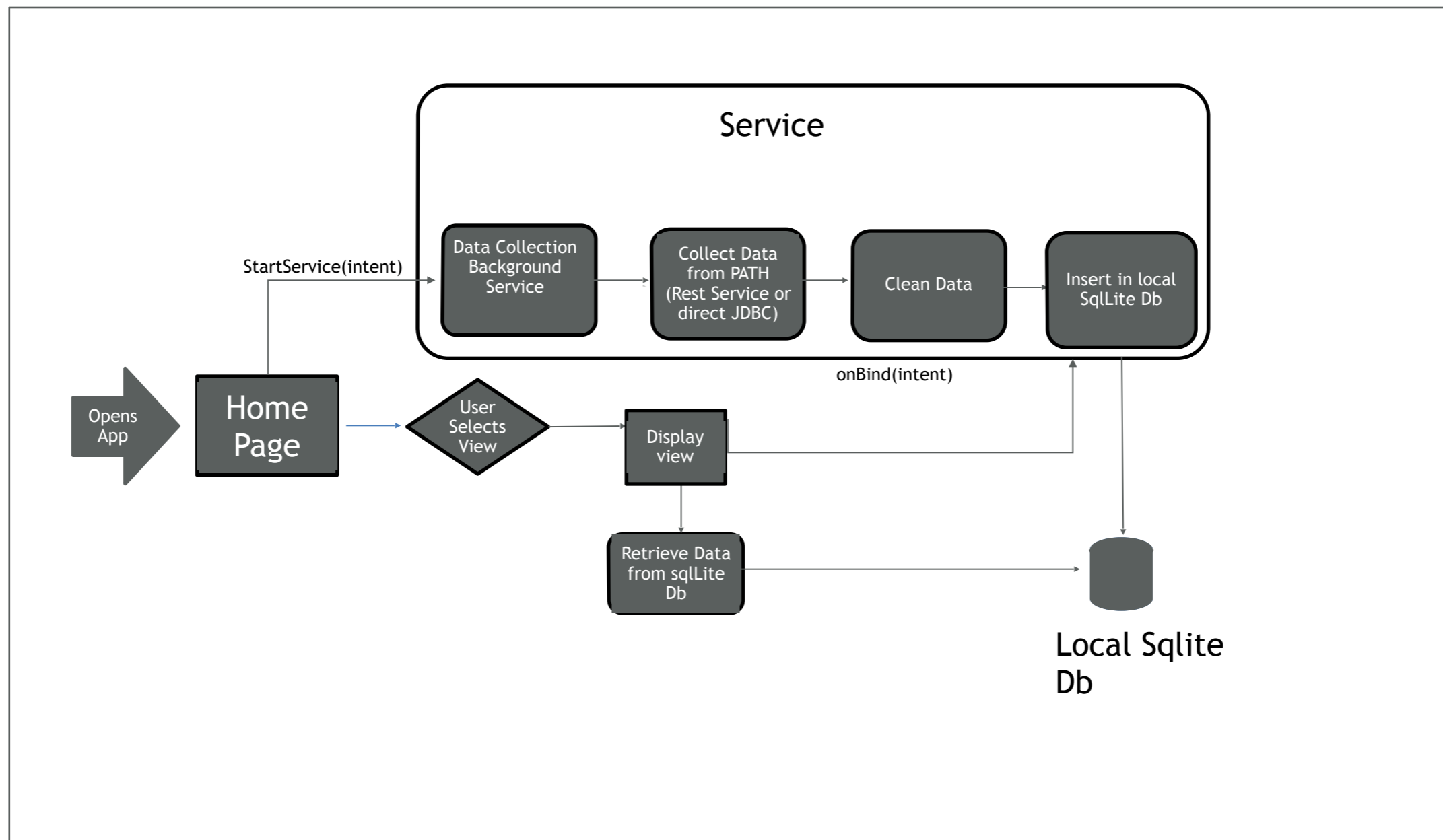
BID Initiative User Personas document

Stock Management Tool

District Vaccine Data Management Tool



# ARCHITECTURE



# PROTOTYPE

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# PROTOTYPE

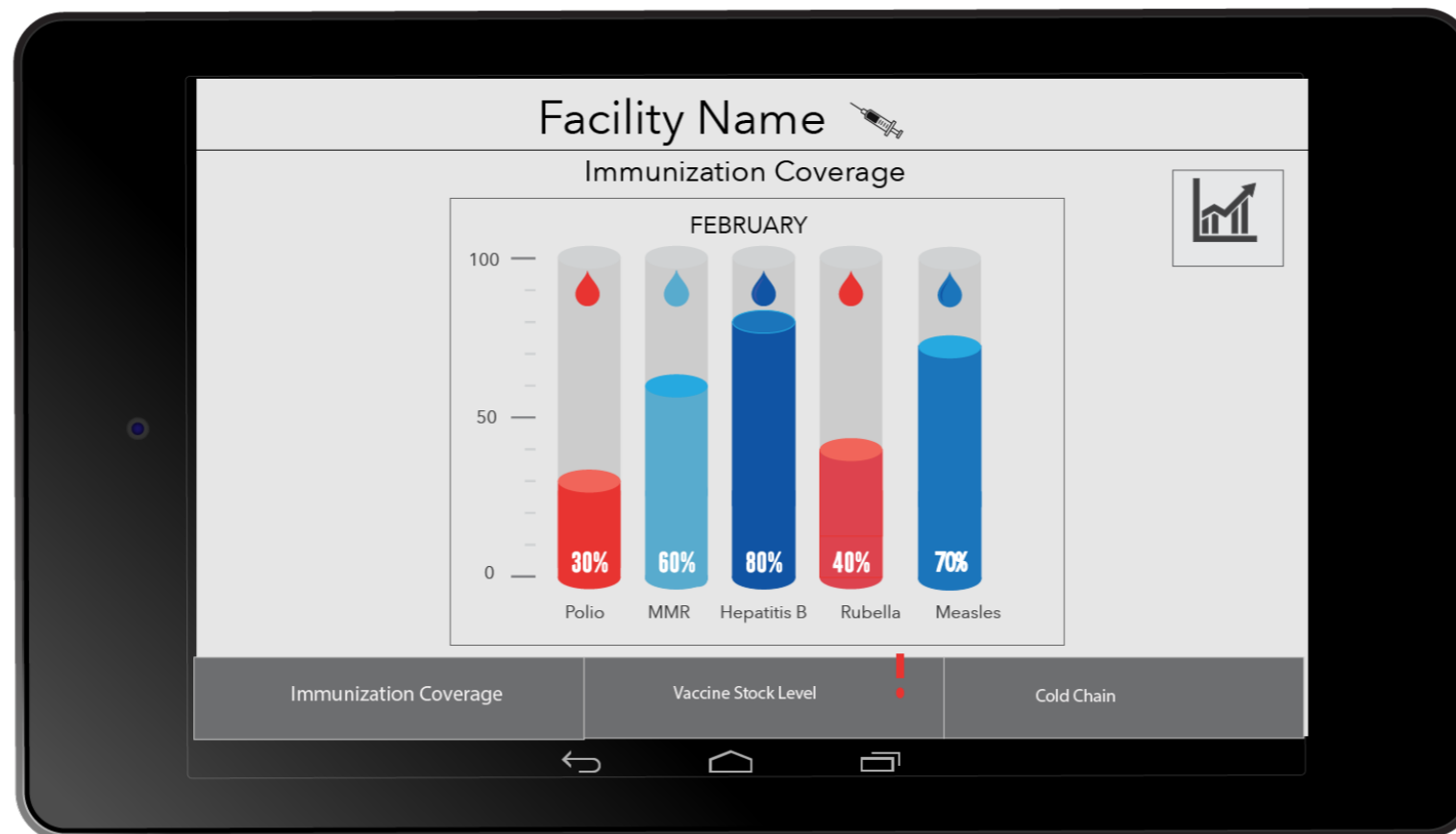
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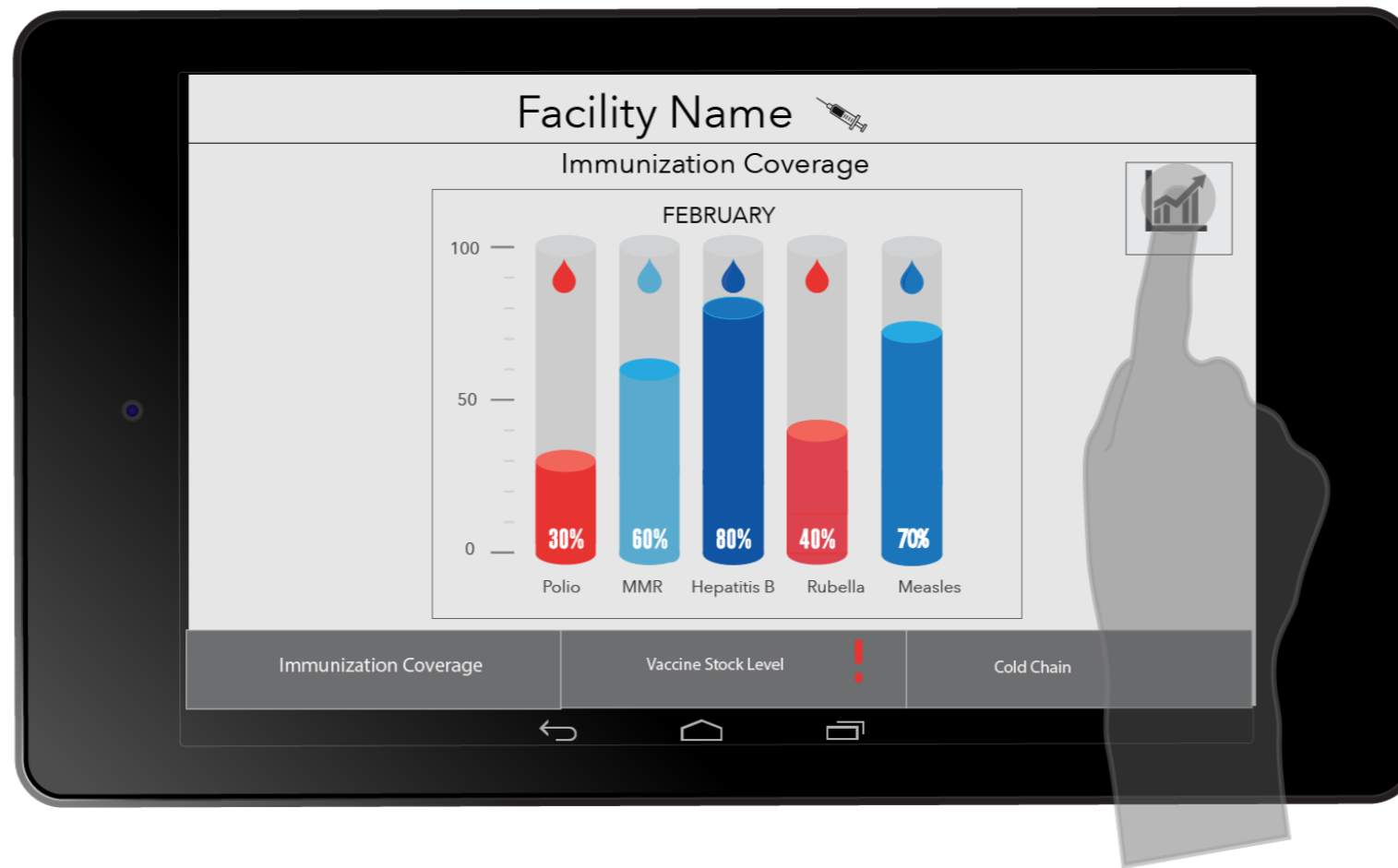
# PROTOTYPE

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# PROTOTYPE

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# PROTOTYPE

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# PROTOTYPE

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# EVALUATION

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Conduct User Tests

Evaluation and Feedback from a District Managers  
Or Experts from PATH

# TIMELINE

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