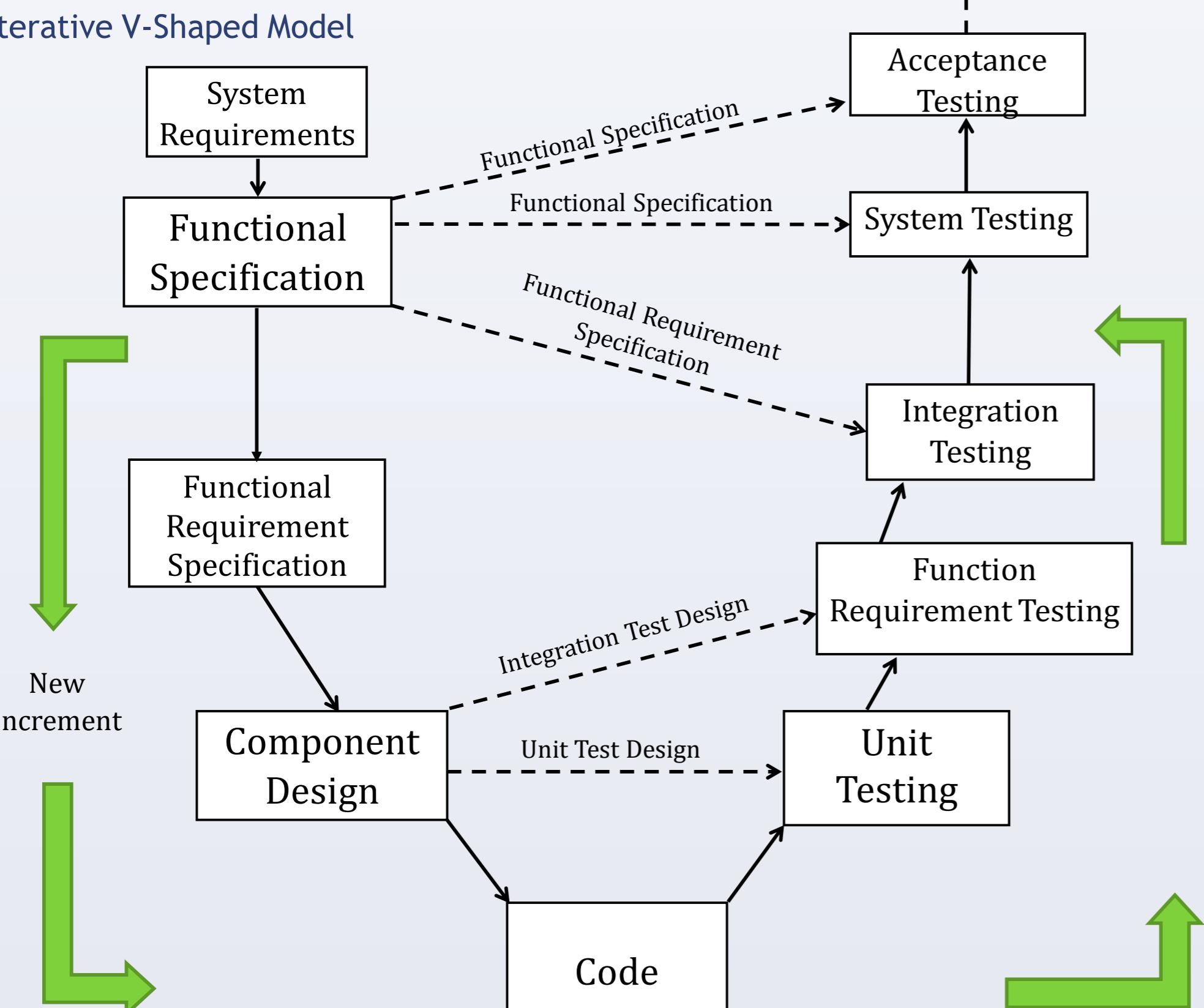


Community Area Alert System

Cian McCann

Development Process

Iterative V-Shaped Model



Coding Standard

Clean Code: A Handbook of Agile Software Craftsmanship.

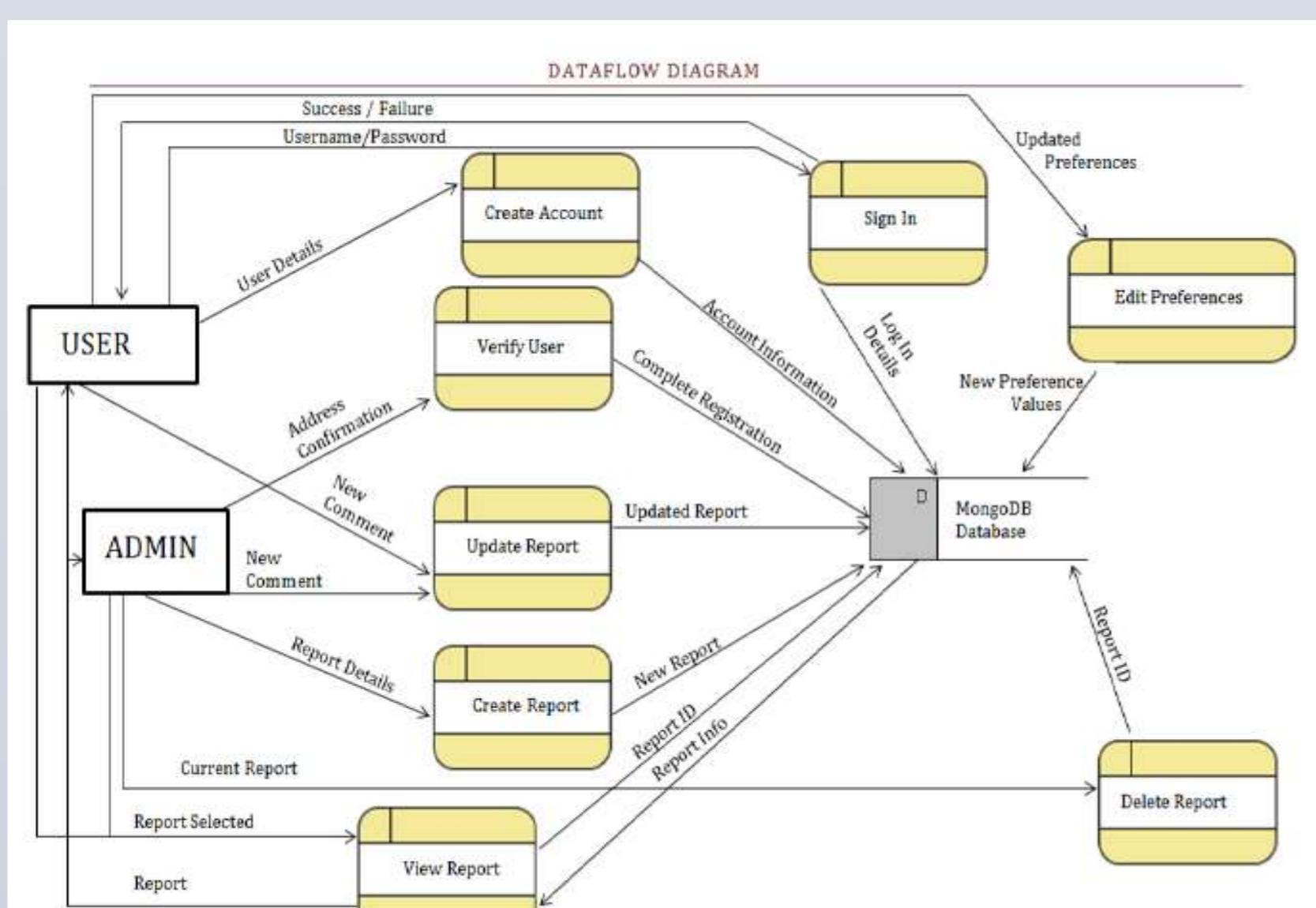
- Meaningful Names
- Small functions with one purpose.
- Keep function arguments to a minimum.
- No comments, explain myself using code.
- Individual source files for each module ("The Newspaper Metaphor").
- Keep line length under 120 characters.

Problems Solved

Cost of Running

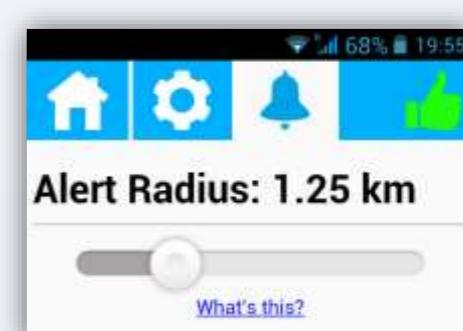
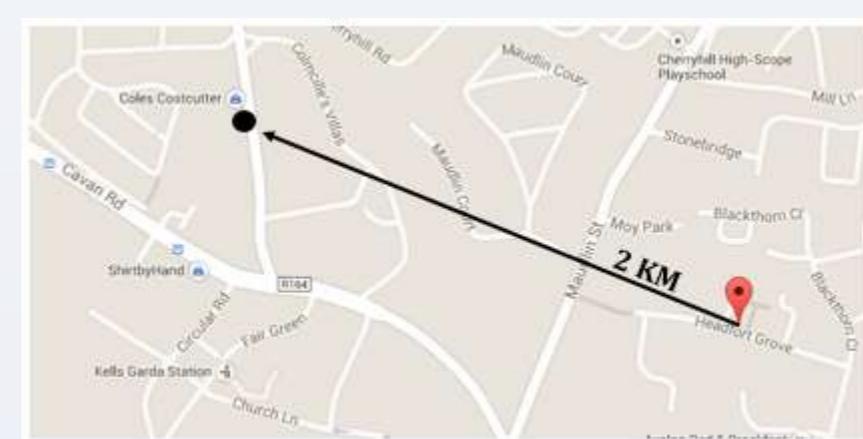
- "The success of the scheme may be its own downfall".
- On average a text alert is sent out every 2-3 weeks.
- Overall cost of sending texts is usually around 360 euro a year.
- On top of insurance cost and cost of sign.
- One member may have to hold phone for the area.
- Could take 20-30 minutes to alert whole community.

Dataflow Diagram



Alert Radius

- Additional Feature to Current Scheme



New Report

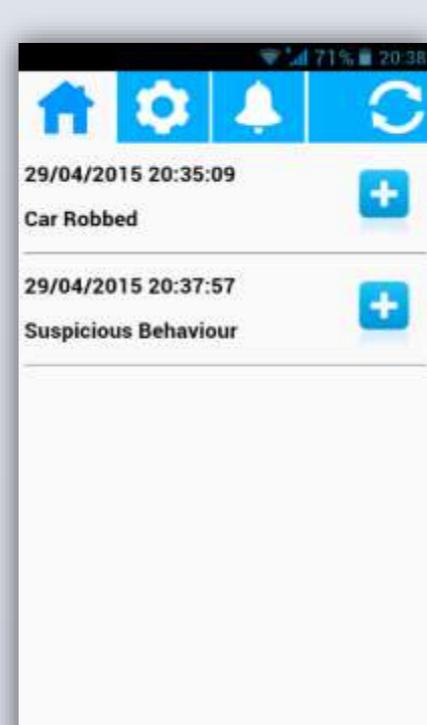
The interface shows a header with '046 9293423 - Kells Garda Station' and navigation links for 'Communities', 'Account', and 'Logout'. Below is a three-step form:

- 1. Select Location:** A map of Kells, Ireland, with a red marker indicating the location. Buttons for 'Map' and 'Satellite' are shown.
- 3. Report Description:** Fields for 'Report Title' and 'Report Description'.
- 2. Communities:** A dropdown menu listing 'Carnaross', 'Drumbarragh', 'Barfordstown', and 'Kells'.

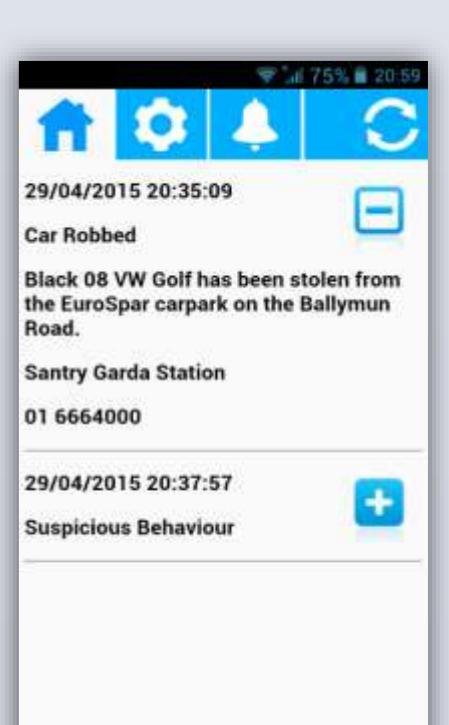
A 'Send Alert' button is located at the bottom right.

Viewing Reports

- Mobile Application



You can then expand reports to view more information using the expand button.



Screen Shots

