

## Week 2

# Designing the user interface

## Part I. From requirements to design

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# From requirements to design

“We are going to build a web application to create, list, search and manage events that are going on in Manchester”

R1. Browse events by topic/keyword/venue

R2. Locate an event on a map

- We got the requirements, so what now?
  - *What?* Functional requirements
  - *How?* Non-functional requirements
- User stories, persona stories, use cases...are elaborated into scenarios and visual designs ahead of implementation
  - Leaving details out and capturing the main idea and scope of the application
  - Useful to expose flaws, misunderstandings
- Same functional requirements can end up in different designs

## Coursework



Further details on the requirements for the individual piece of coursework on Blackboard under *Assessment > Lab manual > Week 2*

# Same requirements, different designs

CHANGE LOCATION AND CRITERIA

Location: m1

m1  
this area only  
within 1 miles  
within 2 miles  
✓ within 3 miles  
within 5 miles  
within 10 miles

No min  
No max

Beds:

No min  
No max

Property Type:

☐ Apartment  
☐ Detached  
☐ Semi-Detached  
☐ Terraced  
☐ Bungalow  
☐ Townhouse  
☒ Any

Sort By:

Price High to Low

UPDATE RESULTS

BUYRENTFIND AN OFFICE

M1

SEARCH

Search Within 0 Miles

051015202530

Price Range

No MintoNo Max

Type

Any

Bedrooms

No MintoNo Max

Receptions

0 ReceptivtoNo Max

Bathrooms

0 BathroctoNo Max

Advanced

Don't Filtr

☐ Include recently sold properties

Search For Properties

Property type

Any type

Minimum price

Min Price

Maximum price

Max Price

Minimum bedrooms

Any number

Location

All locations

☐ Only available properties

Show results

Draw On A Map

Want to find properties in a specific area?  
Use our draw a map function.

DRAW A MAP

## Question



What requirements were given for these functionalities?

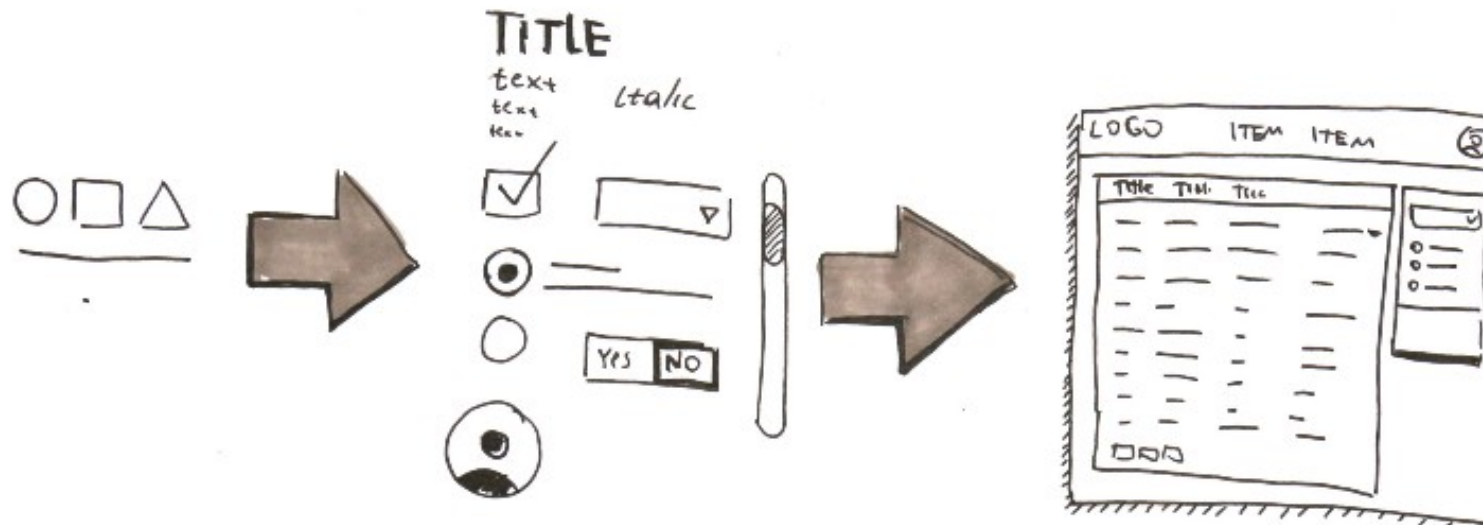


## Possible answer

“Establish an area where the users can search a property”

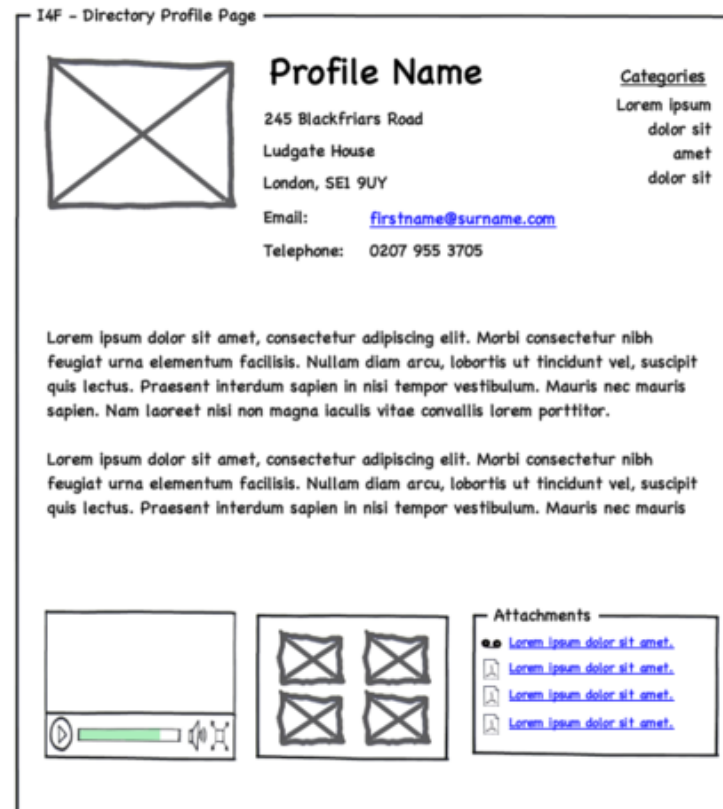
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- Different fidelity levels: **sketches**, wireframes, mockups, prototypes



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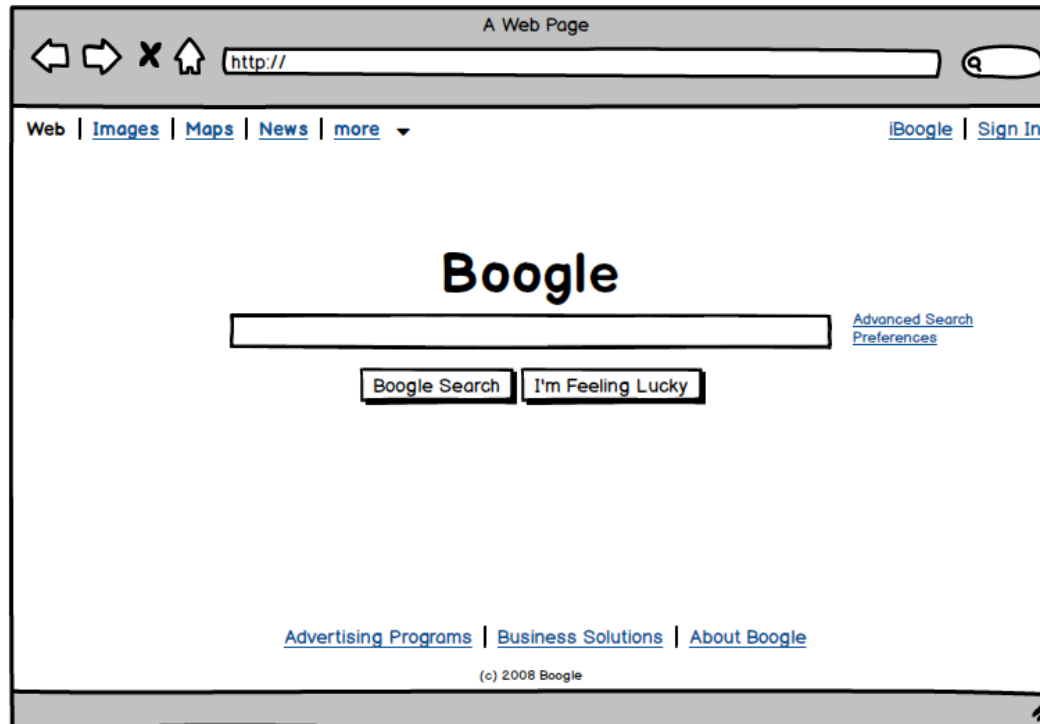
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## Coursework

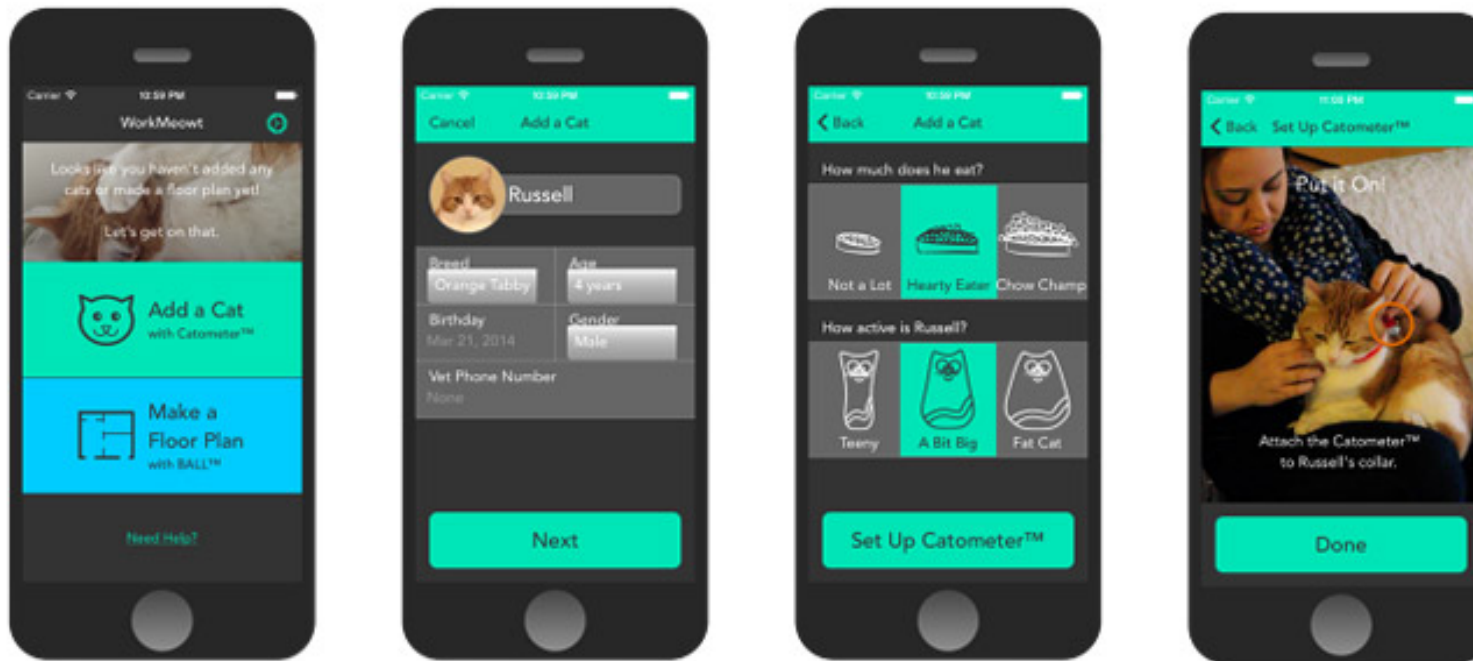


I like balsamiq for mockups but we are going to use MockFlow



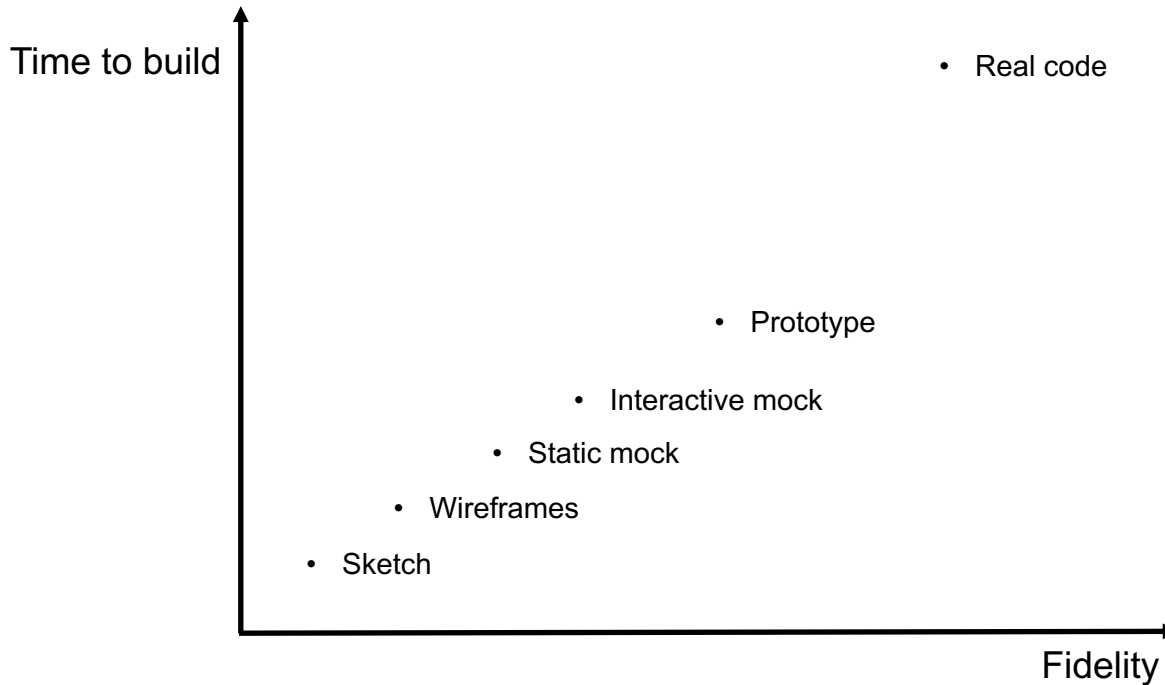
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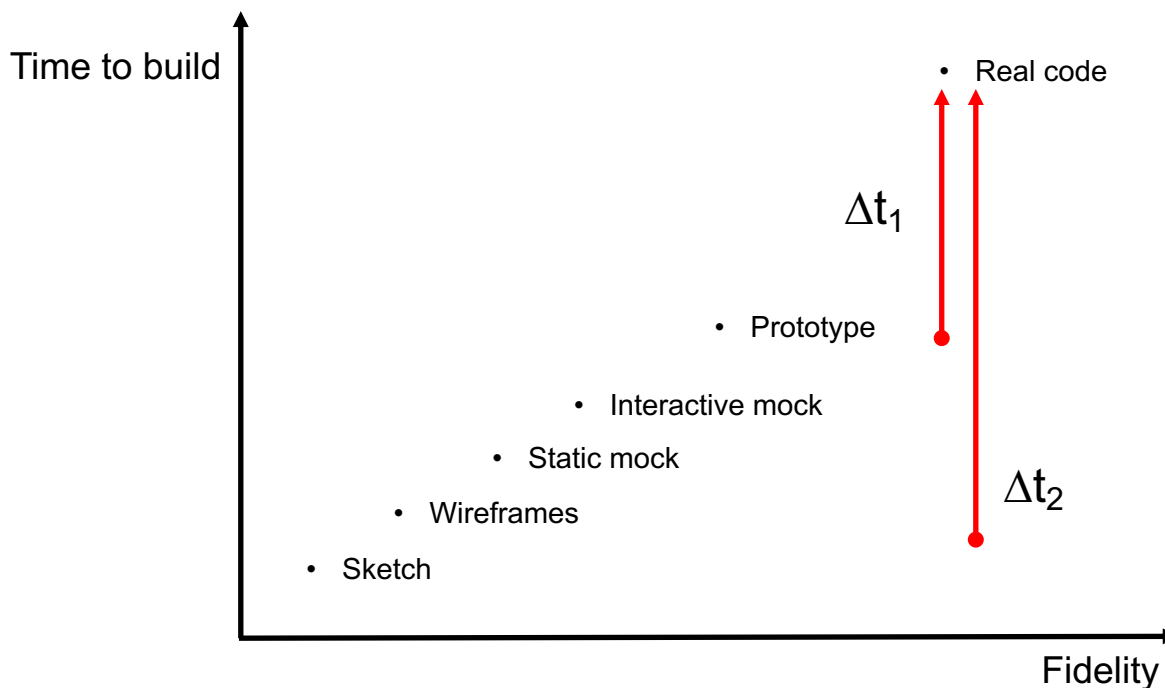
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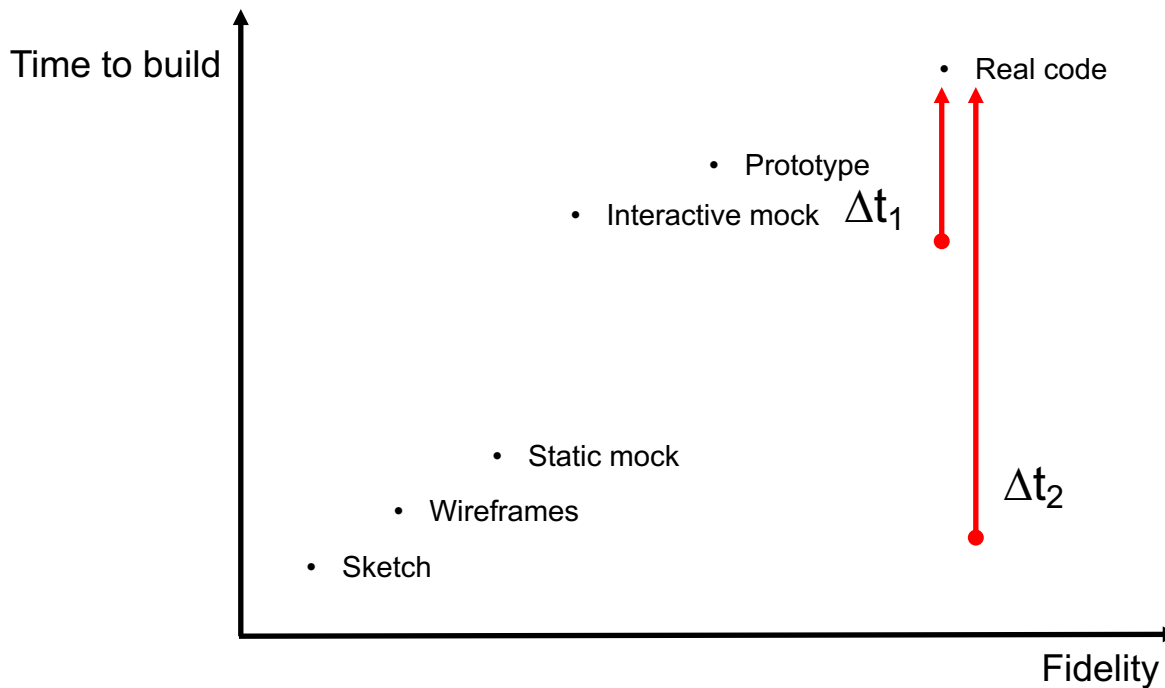
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# Why mockups

- Stimulates a dialogue with the customer
  - Confirm requirements capture
  - Showing different choices
  - Exchange of ideas
- Save time
  - Prevent misunderstandings
  - Remove bugs early on
- Tips
  - Extract the tasks from requirements
  - Follow a top-bottom approach