

# Website Plan

**FOR**

**SOUTH DUBLIN HOUSING COUNCIL BY**

**Aakarshit Pandey**



# Conceptual Data Model

**FOR**

**SOUTH DUBLIN HOUSING COUNCIL BY**

**Aakarshit Pandey**

**Identified Entities in Database**



▶Tenant

▶Property

▶Repairs

▶Equipment

▶Tradesman

## FIRST DRAFT OF CONCEPTUAL MODEL



* The first draft of the conceptual model was the initial idea for the design of the data model.
* There was more relationships and attributes in this draft.
* It was found when this draft was put into practice that it did not make much sense when put into the relational model.
* There was too many similar attributes in each table when there was no need for them.
* It was decided to reduce the amount of relationships between each table as the database design seemed like it was more complicated then it needed to be.

## Entities and Relationships

REPAIRS

Requests

**TENANT**

Resides in

Used for

Made to

Makes

|  |  |
| --- | --- |
|  |  |
| **PROPERTY** | |

EQUIPMENT

Used

**TRADESMAN**

Works in



by

## Entities and Relationships



**REPAIRS**

**EQUIPMENT**

**TRADESMAN**

**TENANT**

**PROPERTY**

**Entities and Attributes**

REPAIRS

|  |
| --- |
| **TENANT** |
| **PK** TENANT  ID |
| REGISTER |
| NAME |
| CONTACT |
| EMAIL |

**PK** REPAIR ID

**FK** TENANT

REQUEST TYPE URGENCY DETAILS DATE TIME

|  |  |  |  |
| --- | --- | --- | --- |
|  | **PROPERTY** |  | **TRADESMAN** |
|  |  |  |  |
|  | **PK**  POSTCODE |  | **PK** TRADESMAN  ID |
|  | **FK** TENANT |  | NAME |
|  | ADDRESS |  | SKILL |
|  |  |  |  |
|  | **FK** REPAIRS |  | AVAILABILITY |
|  |  |  |  |
|  | **FK**  TRADESMAN |  | CONTACT  **FK** EQUIPMENT |

FK

TRADESMAN

FK

EQUIPMENT

**EQUIPMENT PK** EQUIPMENT ID

TYPE DESCRIPTION VALUE INSPECTION DATE STATE OF REPAIR



## SECOND DRAFT OF THE CONCEPTUAL MODEL



* The second draft of the conceptual model is a simplified version of the first draft.
* The first draft was too complicated and messy when put into the relational model.
* The “Equipment used for Repairs” relationship was removed as the Equipment table would be connected to the Tradesman table which then would be connected to the Repairs table.
* Therefore all the information needed could be got by accessing the Repairs table, which would have a Tradesman column which in turn would access the Tradesman Table which has an Equipment column which could access the Equipment table.

## SECOND DRAFT OF THE CONCEPTUAL MODEL



* The “Tradesman works in Property” relationship was removed as the Tradesman ID information is contained in the Repairs table which in turn is connected to the Property table.
* Therefore if somebody accessed the Repairs column in the Property table this would be connected to the Repairs table. The Repairs table would have a Tradesman column which would be connected to the Tradesman table.
* The “Tenant requests Repair” relationship was

removed as it was seen to be unnecessary.

## Entities and Relationships



**TENANT**

Resides in

**TRADESMAN**

**EQUIPMENT**

Use’s

|  |  |
| --- | --- |
|  |  |
| **PROPERTY** | |

Made

to

Makes

**REPAIRS**

**Entities and Relationships**



**EQUIPMENT**

**PROPERTY**

**TENANT**

|  |  |
| --- | --- |
| **REPAIRS** | |
|  |  |
| **TRADESMAN** | |

## Entities and Attributes

REPAIRS

|  |
| --- |
| **TENANT** |
| **PK** TENANT  ID |
| REGISTER |
| NAME |
| CONTACT |
| EMAIL |

**PK** REPAIR ID

TYPE URGENCY DETAILS DATE



**TRADESMAN PK** TRADESMAN

PK

POSTCODE

PROPERTY

ID NAME SKILL

**FK** REPAIRS

ADDRESS

**FK** TENANT

AVAILABILITY

CONTACT

**FK** EQUIPMENT

TIME

FK

TRADESMAN

**EQUIPMENT PK** EQUIPMENT ID

TYPE DESCRIPTION VALUE

INSPECTION DATE

STATE OF REPAIR

## TENANT TABLE



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **(PK) TENANT ID** | **REGISTER NUMBER** | **FIRST NAME** | **SECOND NAME** | **CONTACT NUMBER** | **EMAIL** |
| 1 | 27854 | DUSTIN | DONNELLY | 089  6904260 | ilovedublin coddle@g mail.com |
| 2 | 39657 | GEORGE | WALSH | 087  2402093 | thunderca ts@yahoo. com |
| 3 | 10550 | MARY | FUREY | 086  2483815 | iamlegend @eircom.i e |
| 4 | 89386 | AOIFE | DOYLE | 085  1278643 | meow@ou  tlook.com |
| 5 | 42893 | TOM | O GARA | 087  67672841 | soundman @Hotmail. com |

**PROPERTY TABLE**



|  |  |  |  |
| --- | --- | --- | --- |
| **(PK) POSTCODE** | **(FK) TENANT** | **ADDRESS** | **(FK) REPAIRS** |
| D06 P2N5 | 3 | 85 Rathmines Road Lower | 4 |
| D04 KN85 | 5 | 54 Sandymount Avenue | 3 |
| D04 N2E9 | 2 | 89 Donnybrook Avenue | 5 |
| D06 W1D7 | 1 | 22 Belgrave  Square South | 1 |
| D08 F6W2 | 4 | 75 Lombard Street East | 2 |

**REPAIRS TABLE**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **(PK) REPAIR ID** | **TYPE** | **URGENC Y** | **DETAILS** | **DATE** | **TIME** | **(FK) TRADESMA N** |
| 1 | Plumbing | Urgent | Leak under sink unit | 17/11/20  15 | 14.45 | 3 |
| 2 | Electric | Emergen cy | Smoking fuse board | 18/11/20  15 | 15.00 | 4 |
| 3 | Plastering | Cyclical | Repairs to internal walls | 01/02/20  15 | 11.00 | 5 |
| 4 | Carpentr y | Cyclical | Replace hall door | 05/05/20  15 | 10.00 | 1 |
| 5 | Plumbing | Routine | Replace toilet cistern | 10/09/20  15 | 12.00 | 3 |

**TRADESMAN TABLE**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **(PK) TRADESM AN ID** | **FIRST NAME** | **SECOND NAME** | **SKILL** | **AVAILABI LITY** | **CONTACT** | **(FK) EQUIPME NT** |
| 1 | Ronnie | Doyle | Carpente r | Monday to Tuesday | 087  8404260 | 1 |
| 2 | Ray | Dunphy | Tiler | Tuesday to Thursday | 085  2878541 | 3 |
| 3 | Henry | Drew | Plumber | Monday to Friday | 089  4937393 | 2 |
| 4 | Stella | McGrego r | Electricia n | Tuesday to Friday | 086  1876459 | 6 |
| 5 | Henry | Dunne | Plasterer | Friday | 087  7362952 | 2 |

**EQUIPMENT TABLE**



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **(PK)EQUIP**  **MENT ID** | **TYPE** | **DESCRIPTI**  **ON** | **VALUE** | **INSPECTIO**  **N DATE** | **STATE OF**  **REPAIR** |
| 1 | Drill | DEWALT  pistol drill kit | 65.55 | 15/08/201  5 | Good |
| 2 | Adjustable wrench | Stanley 300mm MaxSteel | 14.66 | 08/10/201  5 | Excellent |
| 3 | Angle Grinder | Makita GA4530KD 720W | 52.50 | 12/09/201  5 | Poor |
| 4 | Ladder | SKY528  Heavy duty foldable | 120.95 | 13/10/201  5 | Good |
| 6 | Voltmeter | Voltmeter | 10.60 | 25/18/201  5 | Excellent |



# Website Design Model

**FOR**

**SOUTH DUBLIN HOUSING COUNCIL BY**

**Aakarshit Pandey**

**WEBSITE WIRE MODEL**

TENANT



* <header>
* <nav>
* <section>
* <aside>
* <footer>

PROPERTY

* <header>
* <nav>
* <section>
* <aside>
* <footer>

HOMEPAGE

* <header>
* <nav>
* <section>
* <aside>
* <footer>

REPAIRS

* <header>
* <nav>
* <section>
* <aside>
* <footer>

EQUIPMENT

* <header>
* <nav>
* <section>
* <aside>
* <footer>

TRADESMAN

* <header>
* <nav>
* <section>
* <aside>
* <footer>

## BASIC HTML CODE FOR EACH PAGE



<!DOCTYPE html> (STATES THAT THIS DOCUMENT IS HTML5)



<html lang="en"> (THE LANGUAGE IS ENGLISH)

<head> (CONTAINS ALL THE METADATA, ALL THE INFO ABOUT THE PAGE WE

CAN NOT SEE ON THE WEB PAGES)

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<link href="css/cssstylesheet.css" type="text/css" rel="stylesheet" /> (LINK TO EXTERNAL CSS STYLE)

<title> (CONTAINS TITLE OF WEB PAGE) </title>

<style>

(CONTAINS THE INTERNAL CSS STYLE FOR EACH WEB PAGE)

</style>

</head>

<body>

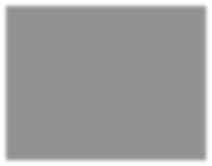
(CONTAINS MAINS ELEMENTS OF THE WEBPAGE WE CAN SEE)

</body>

</html>

## PAGE LAYOUT: HOMEPAGE

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **TENANT**
* **PROPERTY**
* **REPAIRS**
* **TRADESMAN**
* **EQUIPMENT**

MAINTENANCE AND REPAIRS SECTION

If you are a registered tenant in a South Dublin County Council home you may qualify for repairs to be carried out on your property, depending on the type of repair needed and the degree of urgency of the repair.

**SOUTH DUBLIN HOUSING COUNCIL,**

**,DUBLIN 12**

PHONE: +353 1 415 2000

**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

## PAGE LAYOUT: HOMEPAGE



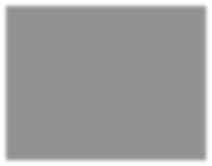
<body>

|  |  |  |
| --- | --- | --- |
| **<div id=header> CONTAINS THE MAIN**  **<h1> SOUTH DUBLIN HOUSING COUNCIL<h1> TITLE/LOGO OF THE WEBSITE**  **</div>** | | |
| **<div id=nav> (CONTAINS THE LINKS TO ALL THE OTHER PAGES ON THE SITE.)**  **<a href””.”>link</a> (PUT THE LINKS INTO AN UNORDERED LIST)**  **<ul>**  **</ul>**  **</div>** | **<div id=section>**  **<h2></h2>**  **<p>(A PARAGRAPH AND A HEADING GIVING DETAILS OF THE COUNCIL AND THE SERVICES THEY PROVIDE. MAINLY INFO ON MAINTENANCE & REPAIRS PROVIDED).**  **</p>**  **</div>** | **<div id=aside>**  **<img>**  **(IMAGE OF HOUSING IN SOUTH DUBLIN)**  **</img>**  **</div>** |
| **<div id=footer> (CONTAINS THE POSTAL ADDRESS,**  **<address></address> CONTACT, COPYRIGHT INFO, EMAIL OF**  **</div> THE COMPANY)** | | |

</body>

## PAGE LAYOUT: TENANT

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **HOMEPAGE**
* **PROPERTY**
* **REPAIRS**
* **TRADESMAN**
* **EQUIPMENT**

TENANT DETAILS

Type the details into the following fields to search our online database.

*TENANT ID REGISTER NUM*

*FIRST NAME*

*LAST NAME*

*CONTACT EMAIL*

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**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

<body>

## PAGE LAYOUT: TENANT PAGE



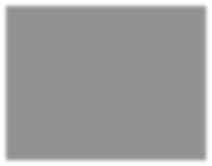


</body>

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## PAGE LAYOUT: PROPERTY

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **HOMEPAGE**
* **TENANT**
* **REPAIRS**
* **TRADESMAN**
* **EQUIPMENT**

PROPERTY DETAILS

Type the details into the following fields to search our online database.

*POSTCODE TENANT*

*ADDRESS REPAIRS*

**SOUTH DUBLIN HOUSING COUNCIL,**

**,DUBLIN 12**

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**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

## PAGE LAYOUT:PROPERTY



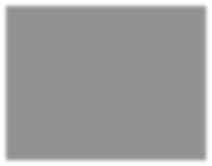
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|  |  |  |
| --- | --- | --- |
| **<div id=header> CONTAINS THE MAIN**  **<h1> SOUTH DUBLIN HOUSING COUNCIL<h1> TITLE/LOGO OF THE WEBSITE**  **</div>** | | |
| **<div id=nav> CONTAINS THE LINKS TO THE HOMEPAGE AND PROPERTY PAGE)**  **<a href””.”>link</a> (PUT THE LINKS INTO AN UNORDERED LIST)**  **<ul> </ul>**  **</div>** | **<div id=section>**  **<h2></h2>**  **<p></p>**  **<form>**  **POSTCODE Data Type=number;**  **TENANT Data Type=number;**  **ADDRESS Data Type=text;**  **REPAIRS Data Type=text;**  **</form>**  **</div> ALSO INSERT**  **JAVASCRIPT CODE IN THE <SCRIPT> TAG IN THE <HEAD> TAG AT THE TOP OF THE PAGE.**  **</div>** | **<div id=aside>**  **<img>**  **(IMAGE OF HOUSING IN SOUTH DUBLIN)**  **</img>**  **</div>** |
| **<div id=footer> (CONTAINS THE POSTAL ADDRESS,**  **<address></address> CONTACT, COPYRIGHT INFO, EMAIL OF**  **</div> THE COMPANY)** | | |

</body>

## PAGE LAYOUT: REPAIRS

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **HOMEPAGE**
* **TENANT**

REPAIRS DETAILS

Type the details into the following fields to search our online database.

* **PROPERTY**
* **TRADESMAN**

*REPAIR ID*

*TYPE*

* **EQUIPMENT**

*URGENCY DETAILS*

*DATE TIME*

*TRADESMAN*

**SOUTH DUBLIN HOUSING COUNCIL,**

**,DUBLIN 12**

PHONE: +353 1 415 2000

**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

<body>

|  |  |  |
| --- | --- | --- |
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## PAGE LAYOUT:REPAIRS

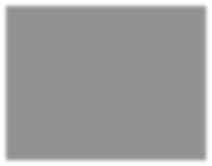




</body>

## PAGE LAYOUT:TRADESMAN

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **HOMEPAGE**
* **TENANT**

TRADESMAN DETAILS

Type the details into the following fields to search our online database.

* **PROPERTY**
* **REPAIRS**
* **EQUIPMENT**

*TRADESMAN ID FIRST NAME CONTACT EQUIPMENT*

*SKILL*

*LAST NAME AVAILABILITY*

**SOUTH DUBLIN HOUSING COUNCIL,**

**,DUBLIN 12**

PHONE: +353 1 415 2000

**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

## PAGE LAYOUT:TRADESMAN



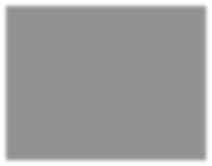
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| **<div id=footer> (CONTAINS THE POSTAL ADDRESS,**  **<address></address> CONTACT, COPYRIGHT INFO, EMAIL OF**  **</div> THE COMPANY)** | | |

</body>

## PAGE LAYOUT: EQUIPMENT

### SOUTH DUBLIN HOUSING COUNCIL



LINKS

* **HOMEPAGE**
* **TENANT**
* **PROPERTY**
* **REPAIRS**
* **TRADESMAN**

EQUIPMENT DETAILS

Type the details into the following fields to search our online database.

*EQUIPMENT ID TYPE*

*DESCRIPTION VALUE*

*INSPECTION DATE STATE OF REPAIR*

**SOUTH DUBLIN HOUSING COUNCIL,**

**,DUBLIN 12**

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**,DUBLIN**



EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

## PAGE LAYOUT:EQUIPMENT



<body>

|  |  |  |
| --- | --- | --- |
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| **<div id=nav> (CONTAINS THE LINKS TO THE HOMEPAGE AND PROPERTY PAGE)**  **<a href””.”>link</a> (PUT THE LINKS INTO AN UNORDERED LIST)**  **<ul> </ul>**  **</div>** | **<div id=section>**  **<h2></h2>**  **<p></p>**  **</div>**  **<form>**  **EQUIPMENT ID Data Type=number; TYPE Data Type=text;**  **DESCRIPTION Data Type=text; VALUE Data Type=number; INSPECTION DATE Data type=date;**  **STATE OF REPAIR Data type=radio;**  **</form>**  **</div>**  **ALSO INSERT JAVASCRIPT CODE IN THE <SCRIPT> TAG IN THE <HEAD> TAG AT THE TOP OF THE PAGE.** | **<div id=aside>**  **<img>**  **(IMAGE OF HOUSING IN SOUTH DUBLIN)**  **</img>**  **</div>** |
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</body>



# STYLE DESIGN FOR THE WEBSITE

**CSS DESIGN FOR THE SOUTH DUBLIN HOUSING COUNCIL**

**CSS DESIGN**



* + **EXTERNAL CSS PAGE:**

The majority of the style design of the website will be done on one external CSS page. This insures that every webpage will look similar giving each page on the website a uniform style. Each webpage will comprise of the style for different elements such as header, nav, section, aside,

footer. There will also be styles for headings (h1, h2), paragraph’s (p) and other elements of the page.

* + **INTERNAL CSS:**

This type of CSS design will only be used when a style is needed for a webpage with a unique style to that webpage. The style elements, properties and values will be inserted into the <style> tag which is located inside the <head> tag. The CSS design will be part of the metadata for that particular page

* + **EXTERNAL CSS:**

This type of CSS design will be used on a few tags on the website. It will be applied by inserting the *style* attribute into a tag to change the style. This type of CSS style will be avoided for the most part.

## EXTERNAL CSS DESIGN

### SOUTH DUBLIN HOUSING COUNCIL

LINKS

* **TENANT PAGE**
* **REPAIRS**
* **PAGE**
* **PROPERTY PAGE**
* **OTHER**
* **PAGES**

MAINTENANCE AND REPAIRS SECTION

If you are a registered tenant in a South Dublin County Council home you may qualify for repairs to be carried out on your property, depending on the type of repair needed and the degree of urgency of the repair.

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EMAIL: [housingrepairs@dublincoco.ie](mailto:housingrepairs@dublincoco.ie)

## INTERNAL CSS DESIGN



body { background: dark grey

}

h1{ colour: white

}

h2{ colour: yellow

}

p{ colour: white

}

header { colour: dark red

}

nav { colour: light blue

}

section { background: dark grey

}

aside{ colour: light blue

}

footer { colour: dark red

}