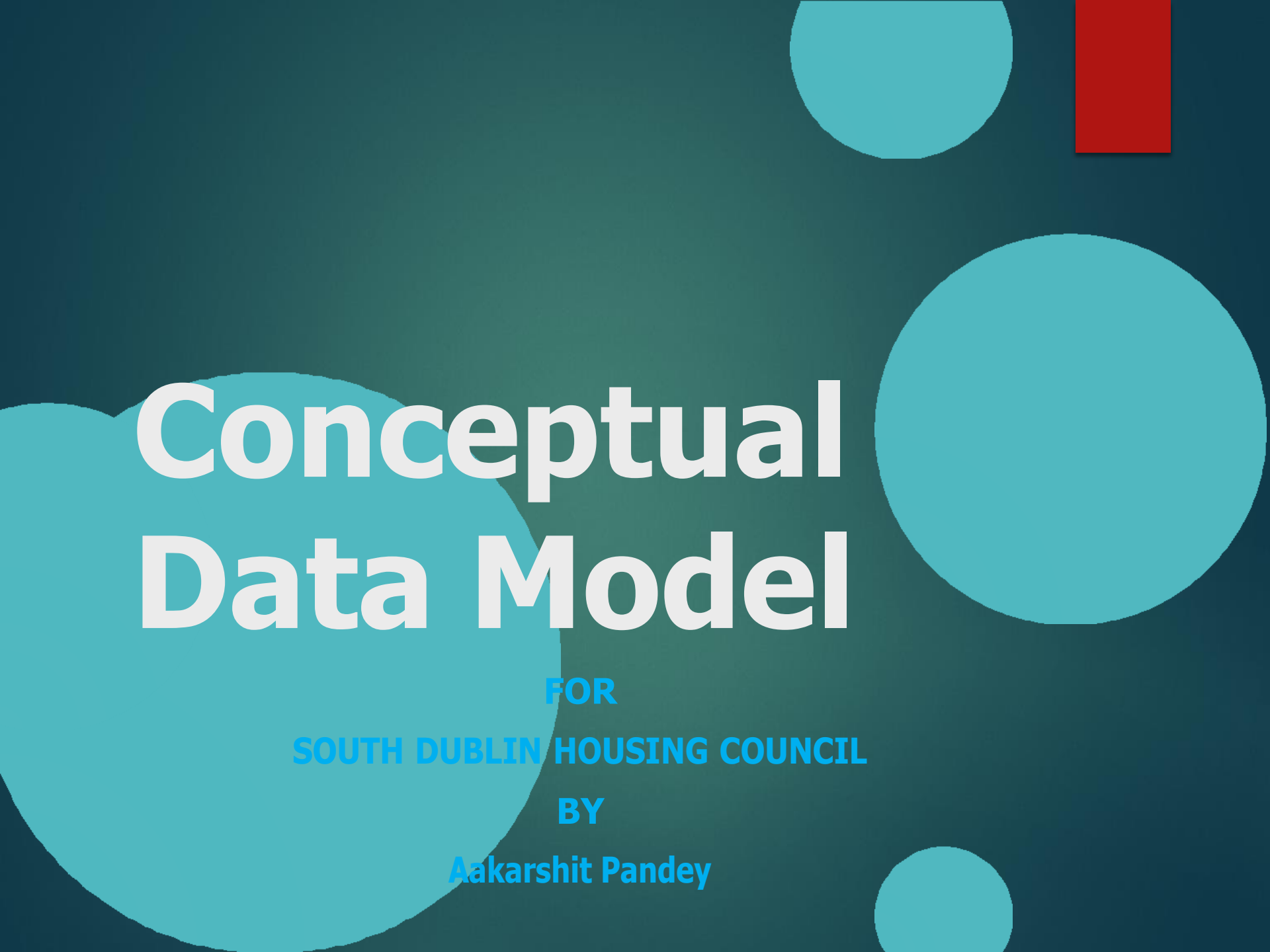


The background is a dark teal color. It features several large, overlapping circles in a lighter teal shade. In the top right corner, there is a small red rectangle.

# Website Plan

FOR  
SOUTH DUBLIN HOUSING COUNCIL  
BY  
Aakarshit Pandey

The background is a dark teal color. It features several large, overlapping circles in a lighter teal shade. In the top right corner, there is a small red vertical rectangle.

# Conceptual Data Model

FOR  
SOUTH DUBLIN HOUSING COUNCIL  
BY

Aakarshit Pandey

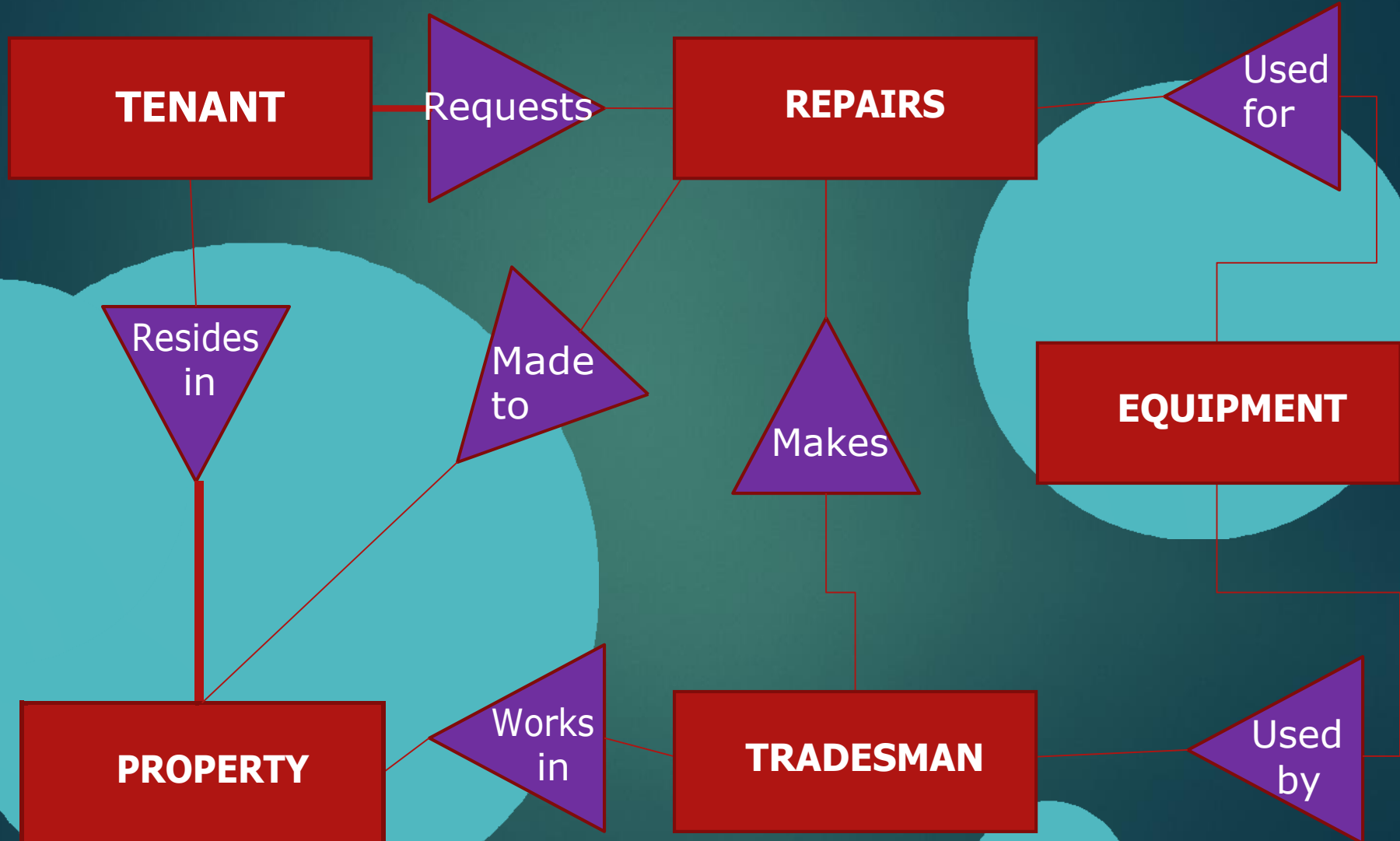
# Identified Entities in Database

- ▶ Tenant
- ▶ Property
- ▶ Repairs
- ▶ Equipment
- ▶ Tradesman

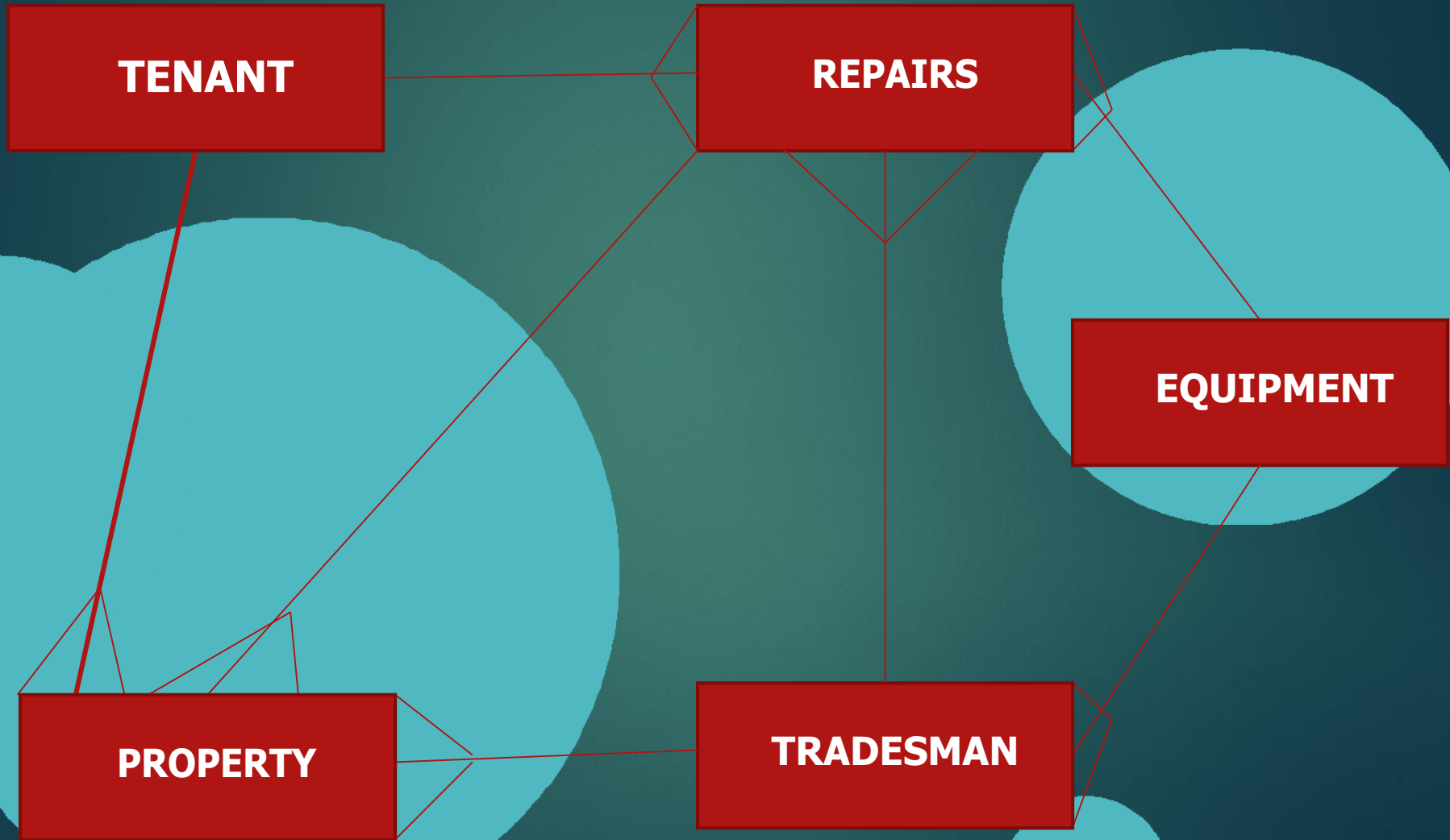
# FIRST DRAFT OF CONCEPTUAL MODEL

- 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



# Entities and Relationships



# Entities and Attributes

TENANT
<b>PK</b> TENANT ID
REGISTER
NAME
CONTACT
EMAIL

PROPERTY
<b>PK</b> POSTCODE
<b>FK</b> TENANT
ADDRESS
<b>FK</b> REPAIRS
<b>FK</b> TRADESMAN

TRADESMAN
<b>PK</b> TRADESMAN ID
NAME
SKILL
AVAILABILITY
CONTACT
<b>FK</b> EQUIPMENT

REPAIRS
<b>PK</b> REPAIR ID
<b>FK</b> TENANT REQUEST
TYPE
URGENCY
DETAILS
DATE
TIME
<b>FK</b> TRADESMAN
<b>FK</b> EQUIPMENT

EQUIPMENT
<b>PK</b> EQUIPMENT ID
TYPE
DESCRIPTION
VALUE
INSPECTION DATE
STATE OF REPAIR

# SECOND DRAFT OF THE CONCEPTUAL MODEL

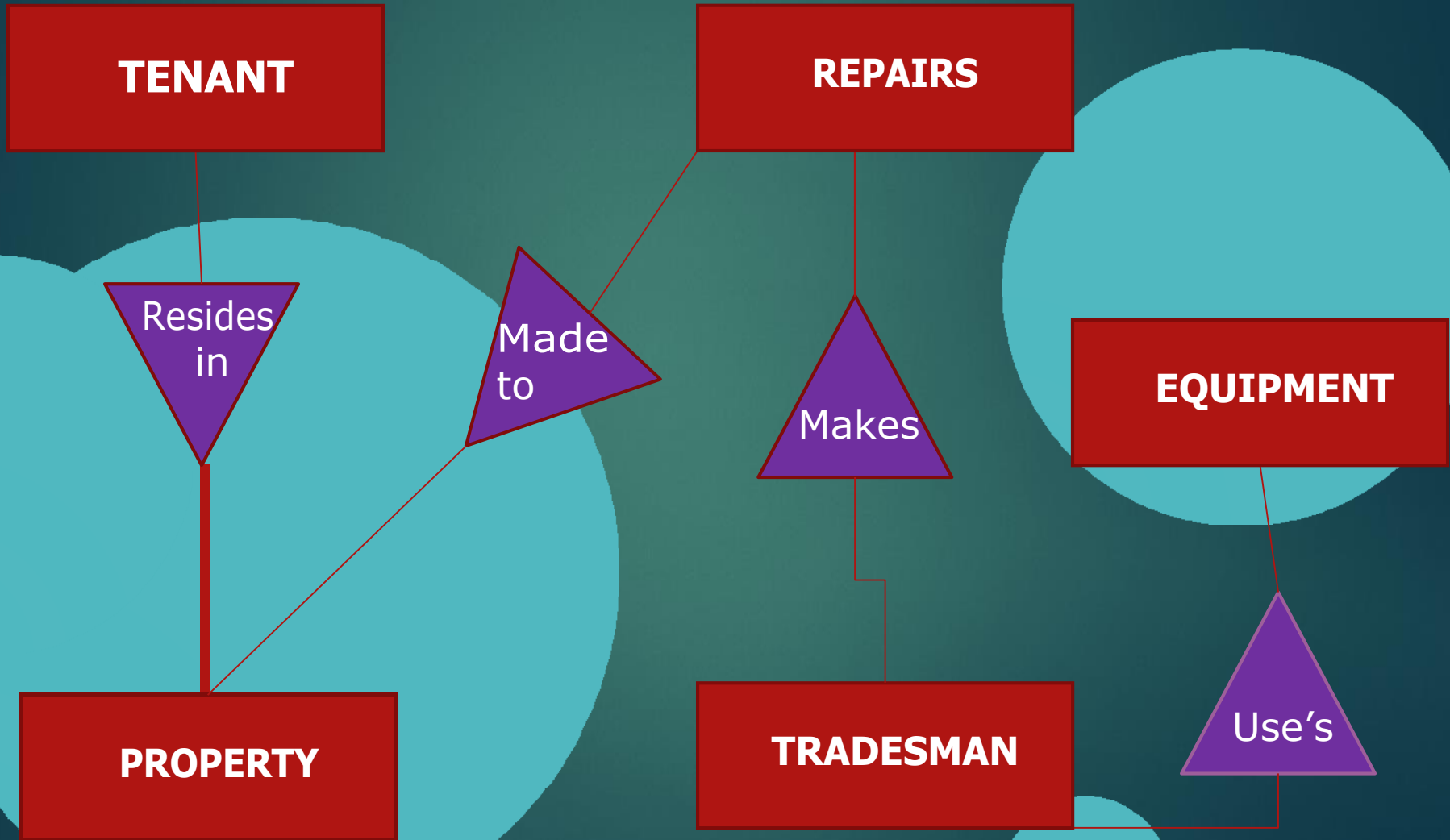
- The second draft of the conceptual model is a simplified version of the first draft.
- The first draft was too complicated and messy when put into the relational model.
- The “Equipment used for Repairs” relationship was removed as the Equipment table would be connected to the Tradesman table which 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.



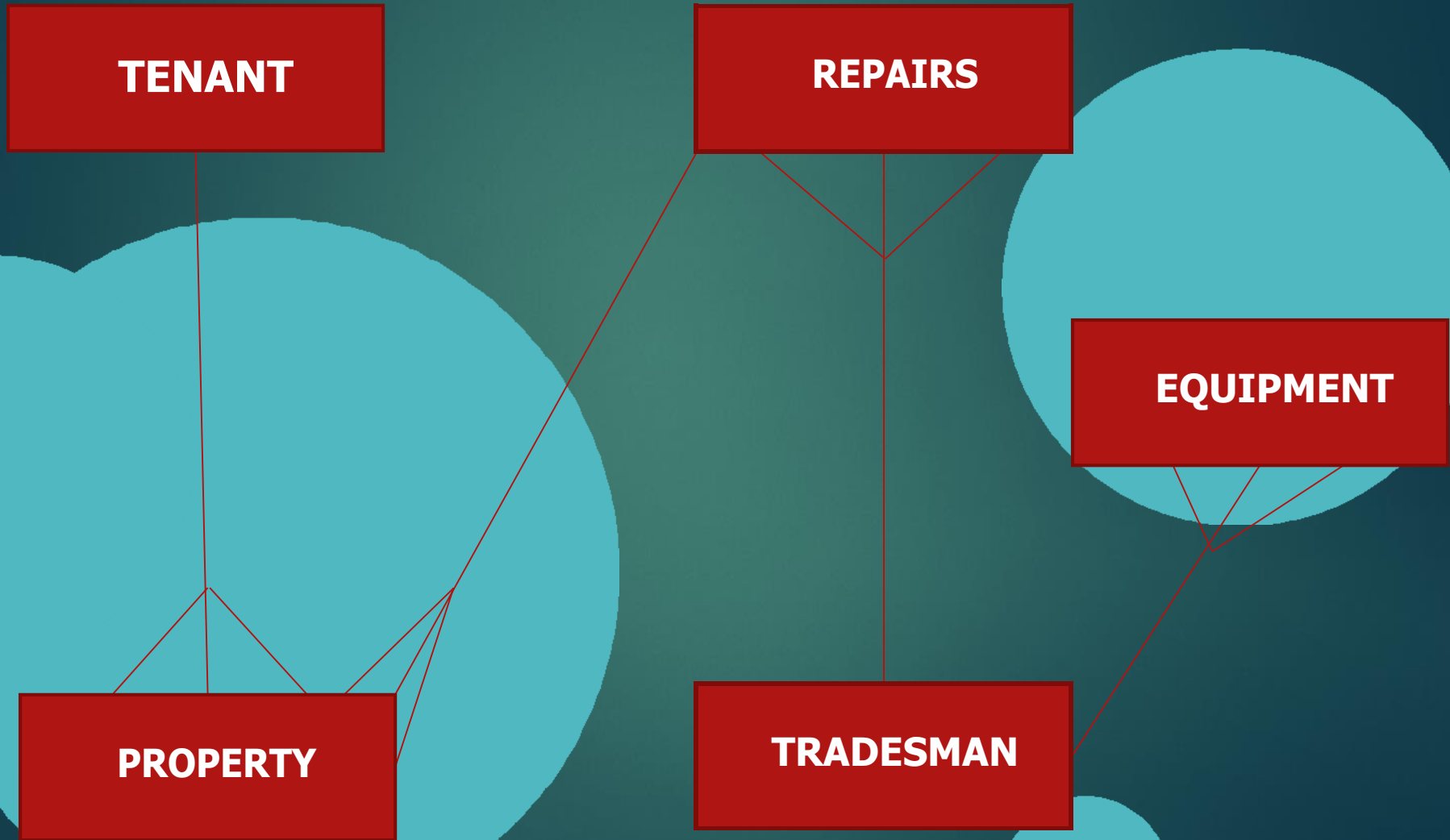
# SECOND DRAFT OF THE CONCEPTUAL MODEL

- 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



# Entities and Relationships



# Entities and Attributes

TENANT
<b>PK</b> TENANT ID
REGISTER
NAME
CONTACT
EMAIL

PROPERTY
<b>PK</b> POSTCODE
<b>FK</b> TENANT
ADDRESS
<b>FK</b> REPAIRS

TRADESMAN
<b>PK</b> TRADESMAN ID
NAME
SKILL
AVAILABILITY
CONTACT
<b>FK</b> EQUIPMENT

REPAIRS
<b>PK</b> REPAIR ID
TYPE
URGENCY
DETAILS
DATE
TIME
<b>FK</b> TRADESMAN

EQUIPMENT
<b>PK</b> EQUIPMENT ID
TYPE
DESCRIPTION
VALUE
INSPECTION DATE
STATE OF REPAIR

# TENANT TABLE

<b>(PK) TENANT ID</b>	<b>REGISTER NUMBER</b>	<b>FIRST NAME</b>	<b>SECOND NAME</b>	<b>CONTACT NUMBER</b>	<b>EMAIL</b>
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) TRADESMAN ID	FIRST NAME	SECOND NAME	SKILL	AVAILABILITY	CONTACT	(FK) EQUIPMENT
1	Ronnie	Doyle	Carpenter	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	McGregor	Electrician	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

The background is a dark teal color. It features several large, overlapping circles in a lighter teal shade. In the top right corner, there is a small red vertical rectangle. The main title is centered and written in a large, white, sans-serif font.

# Website Design Model

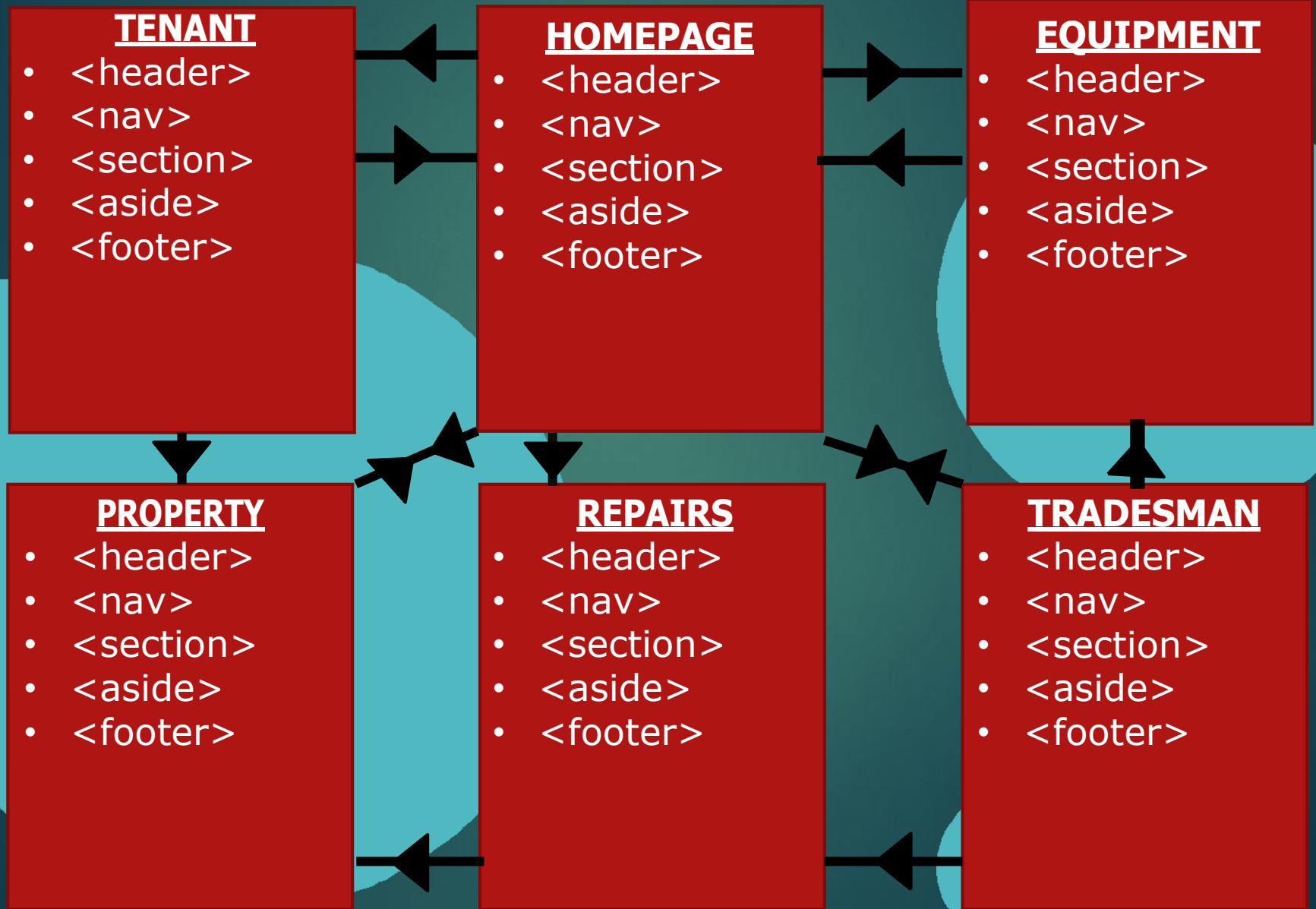
FOR

SOUTH DUBLIN HOUSING COUNCIL

BY

Aakarshit Pandey

# WEBSITE WIRE MODEL



# 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  
DUBLIN**

**PHONE: +353 1 415 2000**

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

# PAGE LAYOUT: HOMEPAGE

**<body>**

**<div id=header>**

**CONTAINS THE MAIN**

**<h1> SOUTH DUBLIN HOUSING COUNCIL</h1>**

**TTTTF/I OGO OF THE WFRSTTF**

**</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>**

**<address></address>**

**</div>**

**(CONTAINS THE POSTAL ADDRESS,  
CONTACT, COPYRIGHT INFO, EMAIL OF  
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 12  
,DUBLIN**

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# PAGE LAYOUT: TENANT PAGE

<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> </p>

<form>

TENANT ID

Data Type= number;

REGISTER NUM

Data Type=number;

FIRST NAME

Data Type=text;

LAST NAME

Data Type=text;

CONTACT

Data Type=tel;

EMAIL

Data Type=email;

</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>

<div id=footer>

<address></address>

</div>

(CONTAINS THE POSTAL ADDRESS, CONTACT, COPYRIGHT INFO, EMAIL OF THE COMPANY)

</body>



# 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*

*ADDRESS*

*TENANT*

*REPAIRS*



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,DUBLIN**

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

# PAGE LAYOUT:PROPERTY

**<body>**

**<div id=header>**

**CONTAINS THE MAIN**

**<h1> SOUTH DUBLIN HOUSING COUNCIL<h1>**

**TTT F/I OGO OF THE WFRSTF**

**</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>**

**<address></address>**

**</div>**

**(CONTAINS THE POSTAL ADDRESS,  
CONTACT, COPYRIGHT INFO, EMAIL OF  
THE COMPANY)**

**</body>**

# PAGE LAYOUT: REPAIRS

## SOUTH DUBLIN HOUSING COUNCIL

### LINKS

- **HOMEPAGE**
- **TENANT**
- **PROPERTY**
- **TRADESMAN**
- **EQUIPMENT**

### REPAIRS DETAILS

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

*REPAIR ID*

*URGENCY*

*DATE*

*TRADESMAN*

*TYPE*

*DETAILS*

*TIME*



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# PAGE LAYOUT:REPAIRS

<body>

<div id=header>

<h1> SOUTH DUBLIN HOUSING COUNCIL</h1>  
</div>

CONTAINS THE MAIN

TTT F/I OGO OF THE WFRSTF

<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>

REPAIR ID

TYPE

URGENCY

DETAILS

DATE

TIME

TRADESMAN

</form>

</div>

ALSO INSERT  
JAVASCRIPT CODE IN THE <SCRIPT> TAG IN THE <HEAD>  
TAG AT THE TOP OF THE PAGE.

</div>

Data Type=number;  
Data Type=text;  
Data Type=radio;  
Data Type=text;  
Data Type=date;  
Data Type=time;  
Data Type=number;

<div id=aside>

<img>

(IMAGE OF  
HOUSING IN SOUTH  
DUBLIN)

</img>

</div>

<div id=footer>

<address></address>  
</div>

(CONTAINS THE POSTAL ADDRESS,  
CONTACT, COPYRIGHT INFO, EMAIL OF  
THE COMPANY)

</body>

# PAGE LAYOUT:TRADESMAN

## SOUTH DUBLIN HOUSING COUNCIL

### LINKS

- **HOME PAGE**
- **TENANT**
- **PROPERTY**
- **REPAIRS**
- **EQUIPMENT**

### TRADESMAN DETAILS

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

*TRADESMAN ID*

*FIRST NAME*

*CONTACT*

*EQUIPMENT*

*SKILL*

*LAST NAME*

*AVAILABILITY*



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# PAGE LAYOUT:TRADESMAN

<body>

<div id=header>

CONTAINS THE MAIN

<h1> SOUTH DUBLIN HOUSING COUNCIL<h1>

TTTT F/I OGO OF THE WFRSTF

</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>

TRADESMAN ID

FIRST NAME

LAST NAME

SKILL

CONTACT

AVAILABILITY

EQUIPMENT

</form>

</div>

ALSO NSERT JAVASCRIPT CODE IN THE <SCRIPT>  
TAG IN THE <HEAD> TAG AT THE TOP OF THE PAGE.

</div>

Data Type=number;

Data Type=text;

Data Type=text;

Data Type=number;

Data Type=tel;

Data Type=checkbox;

Data Type=number;

<div id=aside>

<img>

(IMAGE OF  
HOUSING IN SOUTH  
DUBLIN)

</img>

</div>

<div id=footer>

<address></address>

</div>

(CONTAINS THE POSTAL ADDRESS,  
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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*



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# PAGE LAYOUT: EQUIPMENT

<body>

<div id=header>

<h1> SOUTH DUBLIN HOUSING COUNCIL</h1>  
</div>

CONTAINS THE MAIN

TITLE / LOGO OF THE WEBSITE

<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  
TYPE  
DESCRIPTION  
VALUE  
INSPECTION DATE  
STATE OF REPAIR  
</form>  
</div>

ALSO INSERT JAVASCRIPT CODE IN THE <SCRIPT>  
TAG IN THE <HEAD> TAG AT THE TOP OF THE PAGE.

Data Type=number;  
Data Type=text;  
Data Type=text;  
Data Type=number;  
Data type=date;  
Data type=radio;

<div id=aside>  
<img>  
(IMAGE OF  
HOUSING IN SOUTH  
DUBLIN)  
</img>

</div>

<div id=footer>  
<address></address>  
</div>

(CONTAINS THE POSTAL ADDRESS,  
CONTACT, COPYRIGHT INFO, EMAIL OF  
THE COMPANY)

</body>



The background is a dark teal color. It features several large, overlapping circles in a lighter teal shade. In the top right corner, there is a small red vertical rectangle.

# 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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# 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
}
```