



Website Plan

FOR

SOUTH DUBLIN HOUSING COUNCIL

BY

STEPHEN FAHY



Conceptual Data Model

FOR

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STEPHEN FAHY

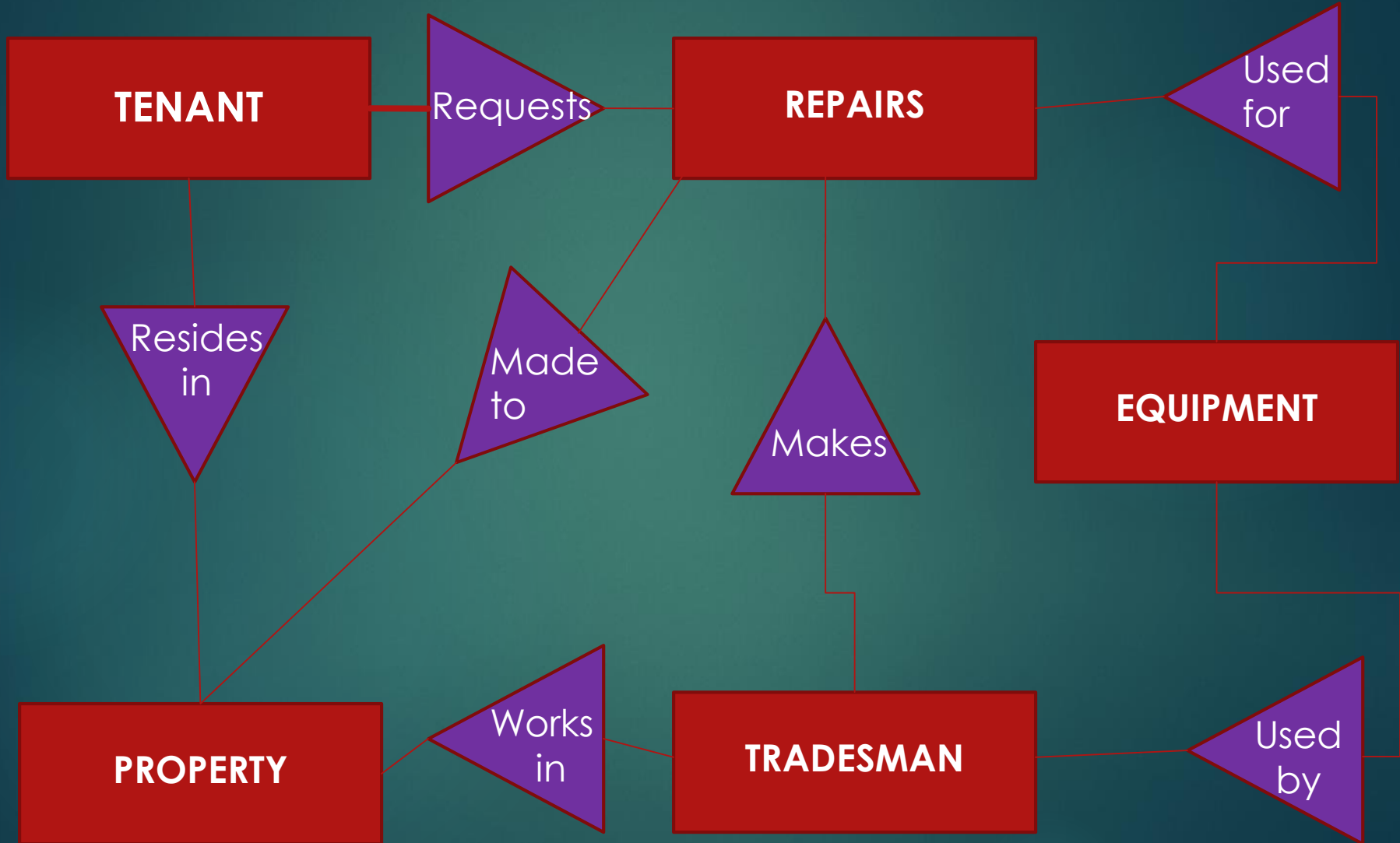
Identified Entities in Database

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

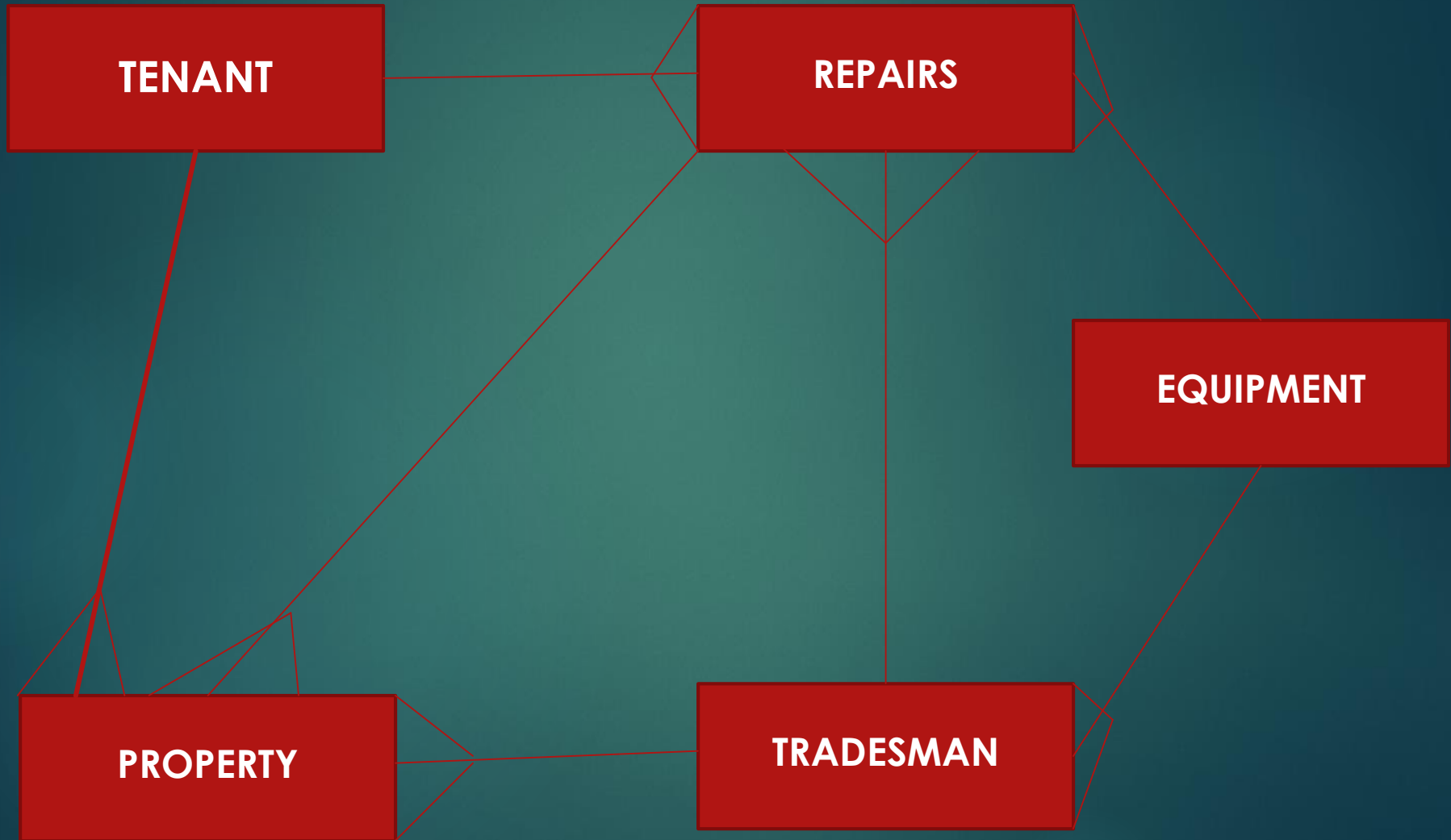
FIRST DRAFT OF CONCEPTUAL MODEL

- 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.

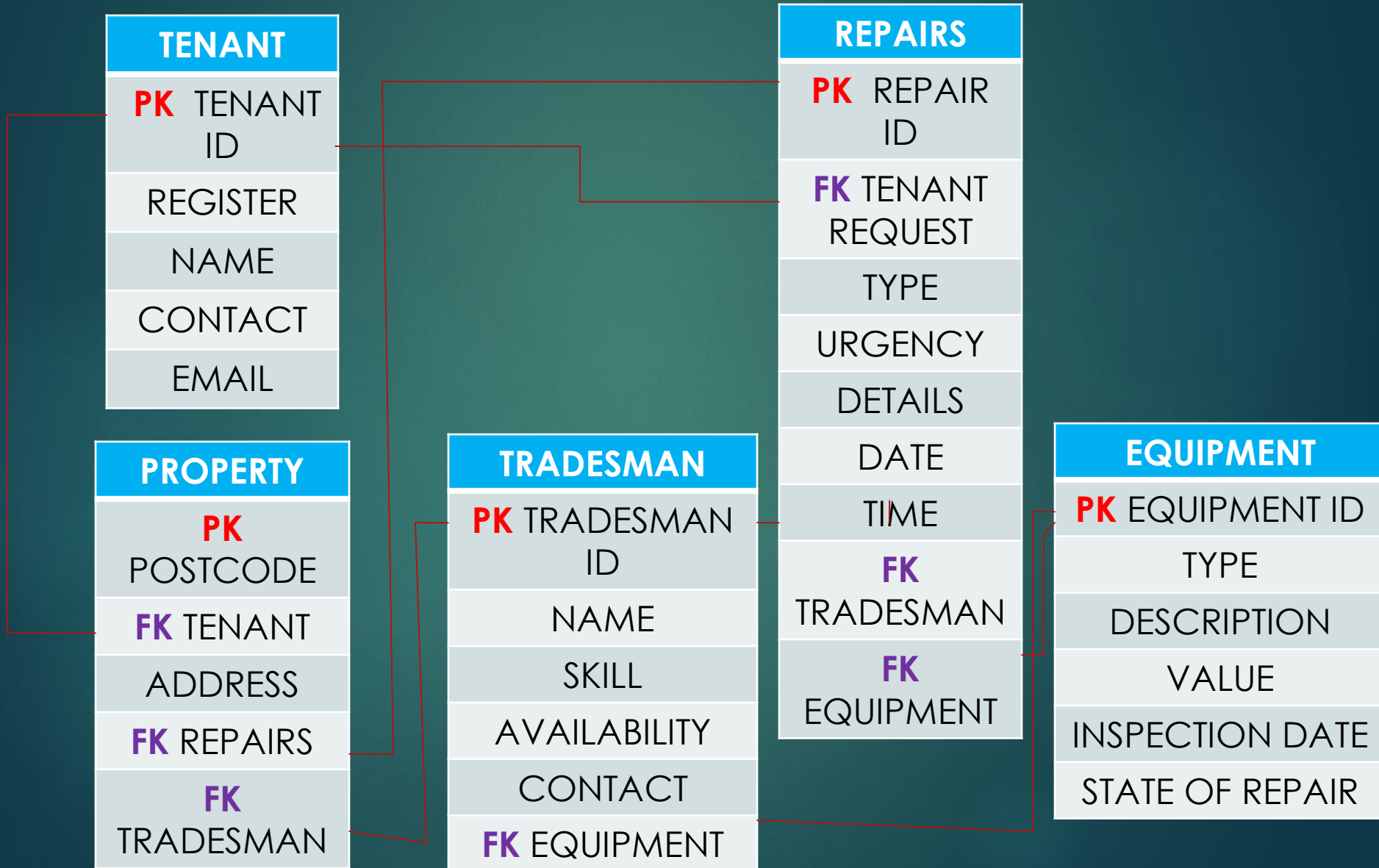
Entities and Relationships



Entities and Relationships



Entities and Attributes



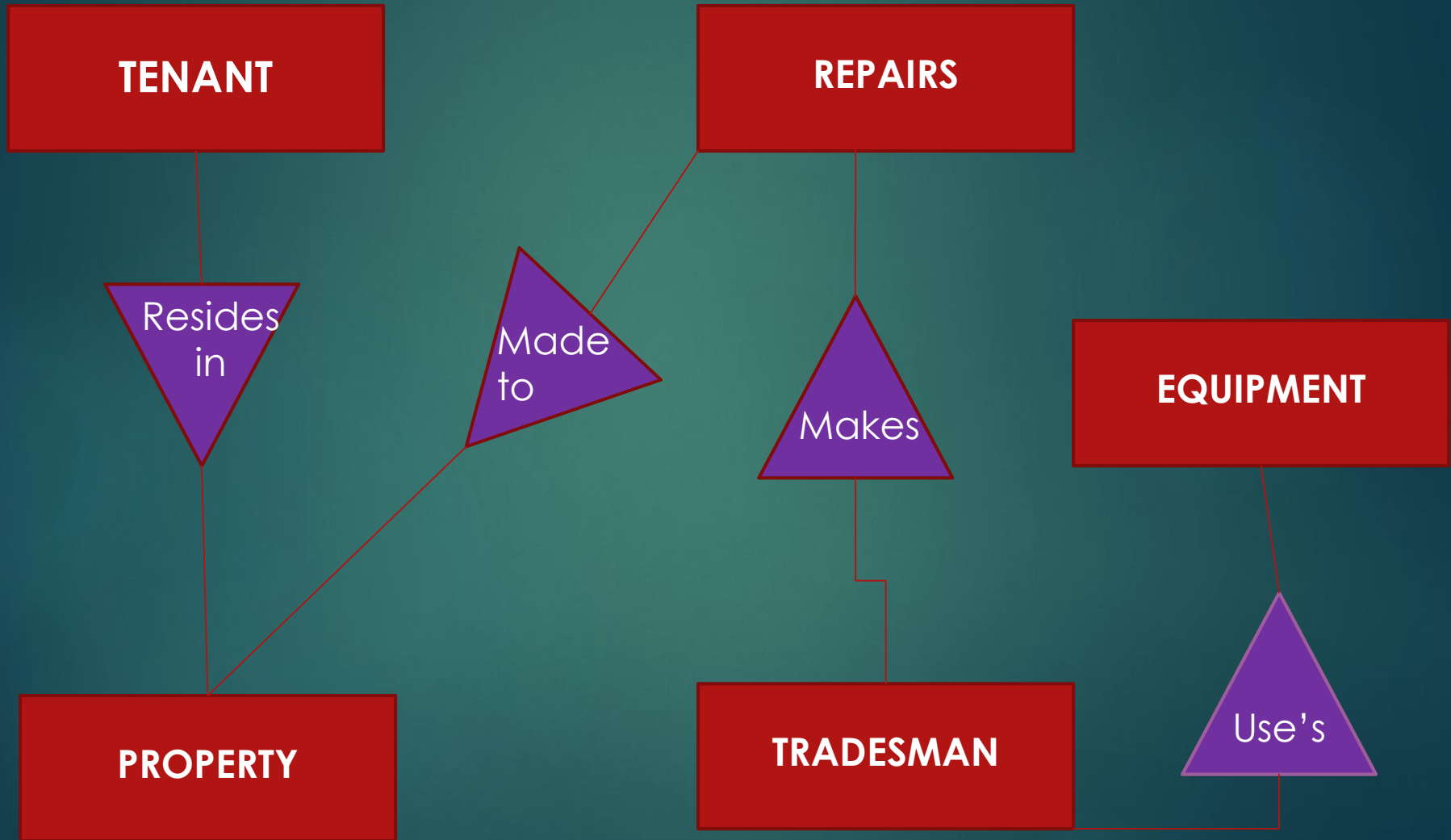
SECOND DRAFT OF THE CONCEPTUAL MODEL

- 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.

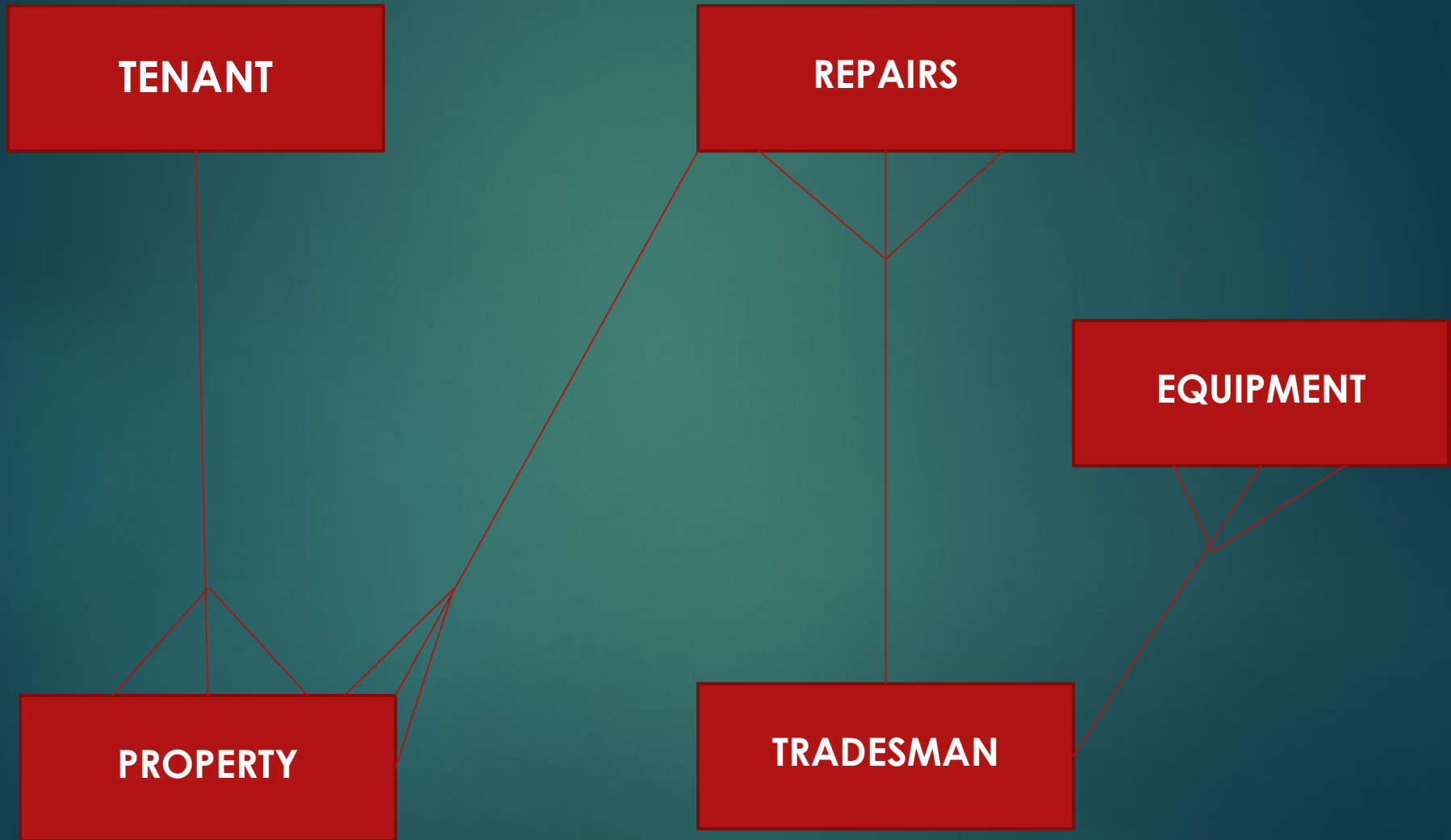
SECOND DRAFT OF THE CONCEPTUAL MODEL

- 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.

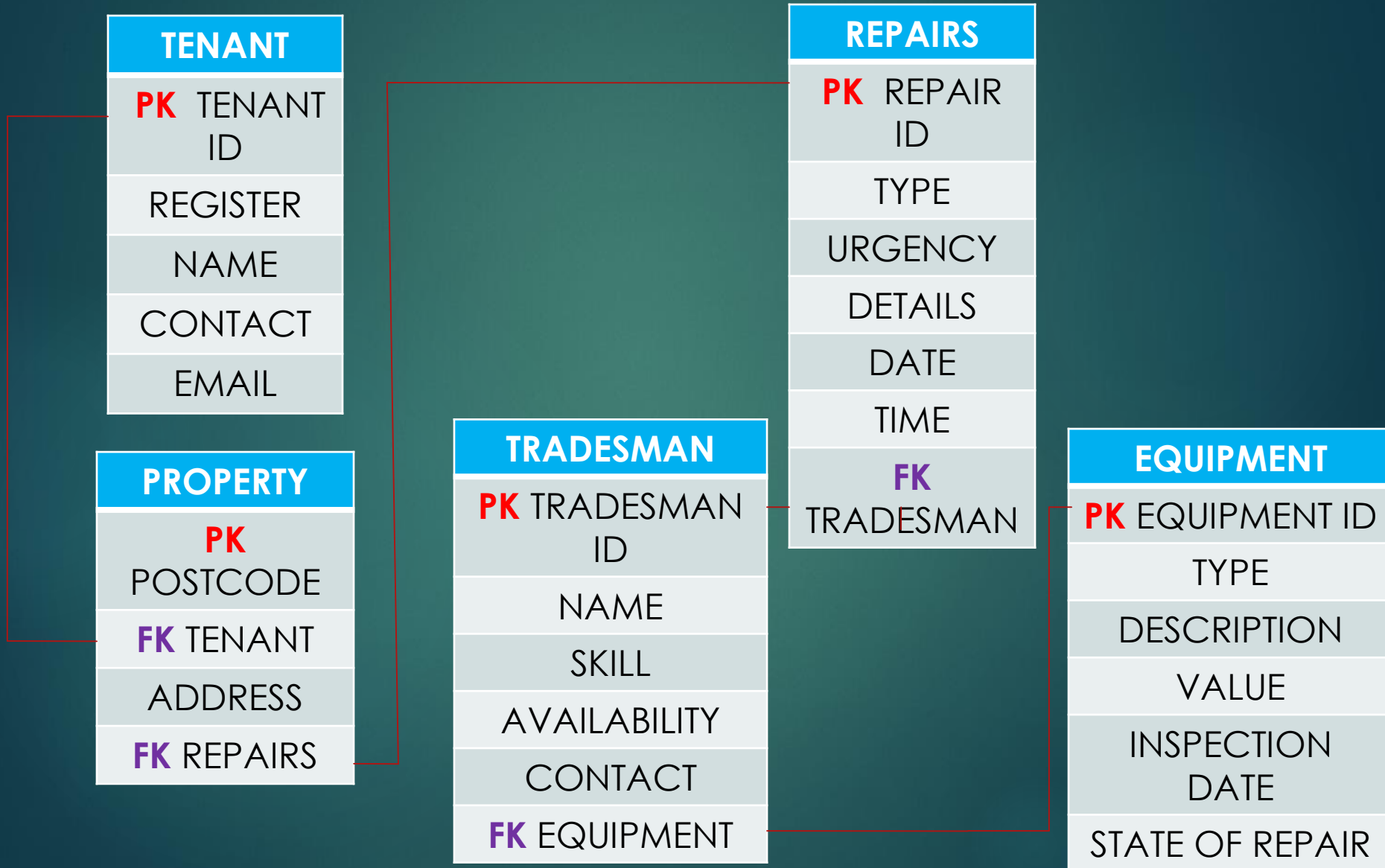
Entities and Relationships



Entities and Relationships



Entities and Attributes



TENANT TABLE

<u>(PK)</u> 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) 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



Website Design Model

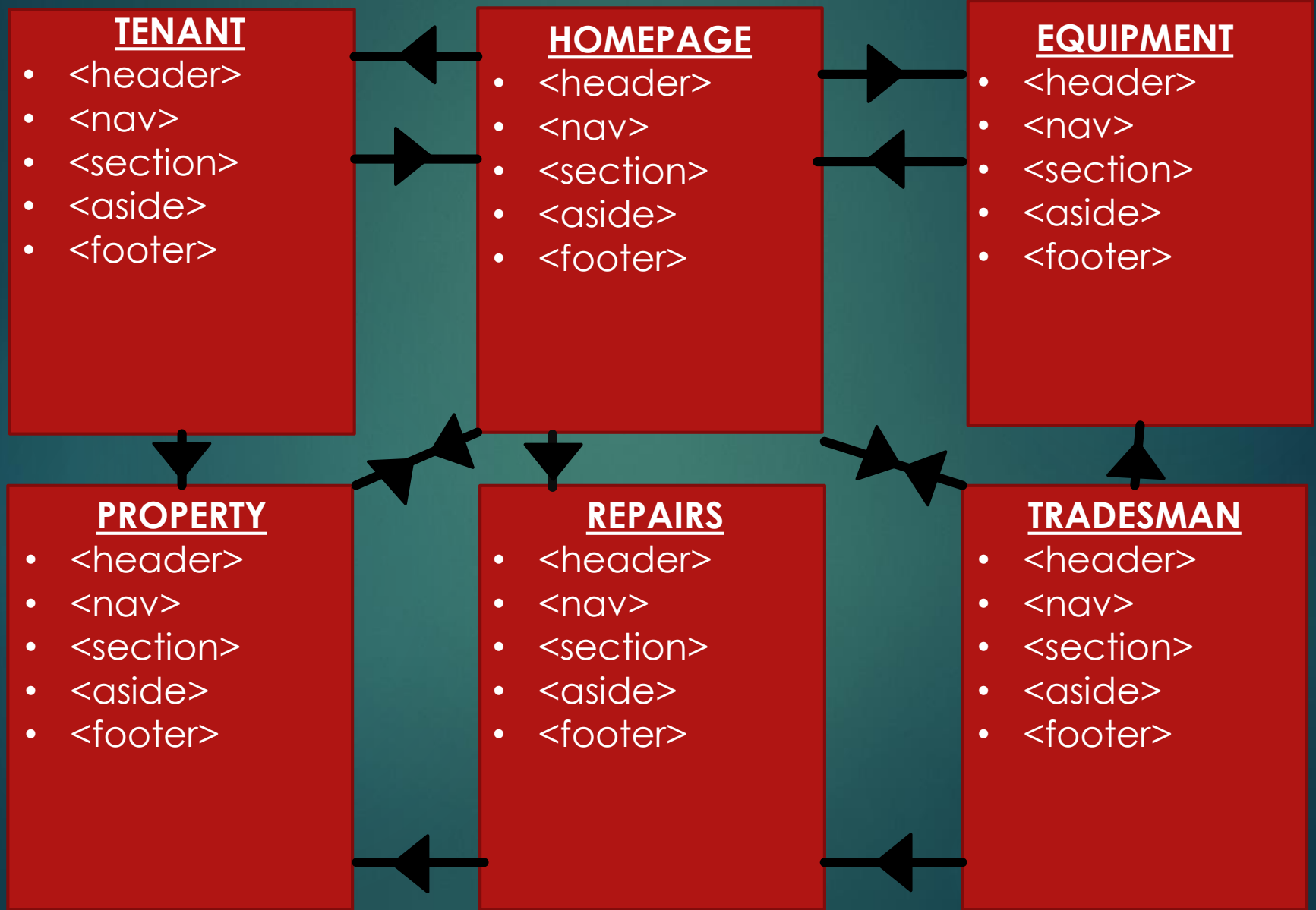
FOR

SOUTH DUBLIN HOUSING COUNCIL

BY

STEPHEN FAHY

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

PAGE LAYOUT: HOMEPAGE

```
<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 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>
```

```
</body>
```

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

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



SOUTH DUBLIN HOUSING COUNCIL,
,DUBLIN 12
,DUBLIN

PHONE: +353 1 415 2000

EMAIL: housingrepairs@dublincoco.ie

PAGE LAYOUT: TENANT

```
<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 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
```

```
REGISTER NUM
```

```
FIRST NAME
```

```
LAST NAME
```

```
CONTACT
```

```
EMAIL
```

```
</form>
```

```
</div>
```

Data Type= number;

Data Type=number;

Data Type=text;

Data Type=text;

Data Type=tel;

Data Type=email;

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>
```

```
</body>
```

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

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



SOUTH DUBLIN HOUSING COUNCIL,
,DUBLIN 12
,DUBLIN

PHONE: +353 1 415 2000

EMAIL: housingrepairs@dublincoco.ie

PAGE LAYOUT:PROPERTY

```
<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>
```

```
<form>
```

```
POSTCODE
```

```
TENANT
```

```
ADDRESS
```

```
REPAIRS
```

```
</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=number;
Data Type=text;
Data Type=text;

```
<div id=aside>
```

```
<img>
```

(IMAGE OF
HOUSING IN SOUTH
DUBLIN)

```
</img>
```

```
</div>
```

```
<div id=footer>
```

```
<address></address>
```

```
</div>
```

```
</body>
```

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

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



SOUTH DUBLIN HOUSING COUNCIL,
,DUBLIN 12
,DUBLIN

PHONE: +353 1 415 2000

EMAIL: housingrepairs@dublincoco.ie

PAGE LAYOUT:REPAIRS

```
<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>
```

```
<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>
```

```
</body>
```

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

PAGE LAYOUT:TRADESMAN

SOUTH DUBLIN HOUSING COUNCIL

LINKS

- HOMEPAGE
- 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



SOUTH DUBLIN HOUSING COUNCIL,
,DUBLIN 12
,DUBLIN

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EMAIL: housingrepairs@dublincoco.ie

PAGE LAYOUT:TRADESMAN

```
<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>
```

```
<form>
```

```
TRADESMAN ID
```

```
FIRST NAME
```

```
LAST NAME
```

```
SKILL
```

```
CONTACT
```

```
AVAILABILITY
```

```
EQUIPMENT
```

```
</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=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>
```

```
</body>
```

(CONTAINS THE POSTAL ADDRESS,
CONTACT, COPYRIGHT INFO, EMAIL OF
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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>
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<h1> SOUTH DUBLIN HOUSING COUNCIL</h1>
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</div>
```

CONTAINS THE MAIN
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```
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```

(CONTAINS THE LINKS
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PAGE)

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```

(PUT THE LINKS INTO
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<ul> </ul>
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</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>
```

```
</body>
```

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



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.

SOUTH DUBLIN HOUSING COUNCIL,
,DUBLIN 12
,DUBLIN

PHONE: +353 1 415 2000

EMAIL: 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
}
```