

ECO Badge Database

Final form

Login	
FK	User ID
	Email
	Password

User	
PK	User ID
	Forename
	Surname
	Picture

UserRoles	
FK	User ID
FK	Role ID

UserConsumer	
	Role ID
	UserScore

UserAdmin	
PK	Role ID

UserCompanyMember	
FK	Role ID
FK	Company ID

Company	
PK	Company ID
	Name
	Biography
	County
	City/Town
	Address
	Postcode
	Tel
	Email
	Website Link
	Picture
	CompanyScore
	Tier
	Menu PDF
	Vegan dishes
	Single use plastic
	Food waste collection scheme
	Local produce

Reviews	
PK	Review ID
FK	Company ID
FK	User ID
	Message
	Rating

Cuisines	
PK	Cuisine ID
	Name

CompanyCuisines	
FK	Company ID
FK	Cuisine ID

Stored procedure on Company table:

If Score between any of these ranges, set the tier to the corresponding value:

Bronze: 0-44, Silver: 45-74, Gold: 75-90, Platinum: 90+

CompanyCuisines and **UserRoles** are lookup tables

ECO Badge Database

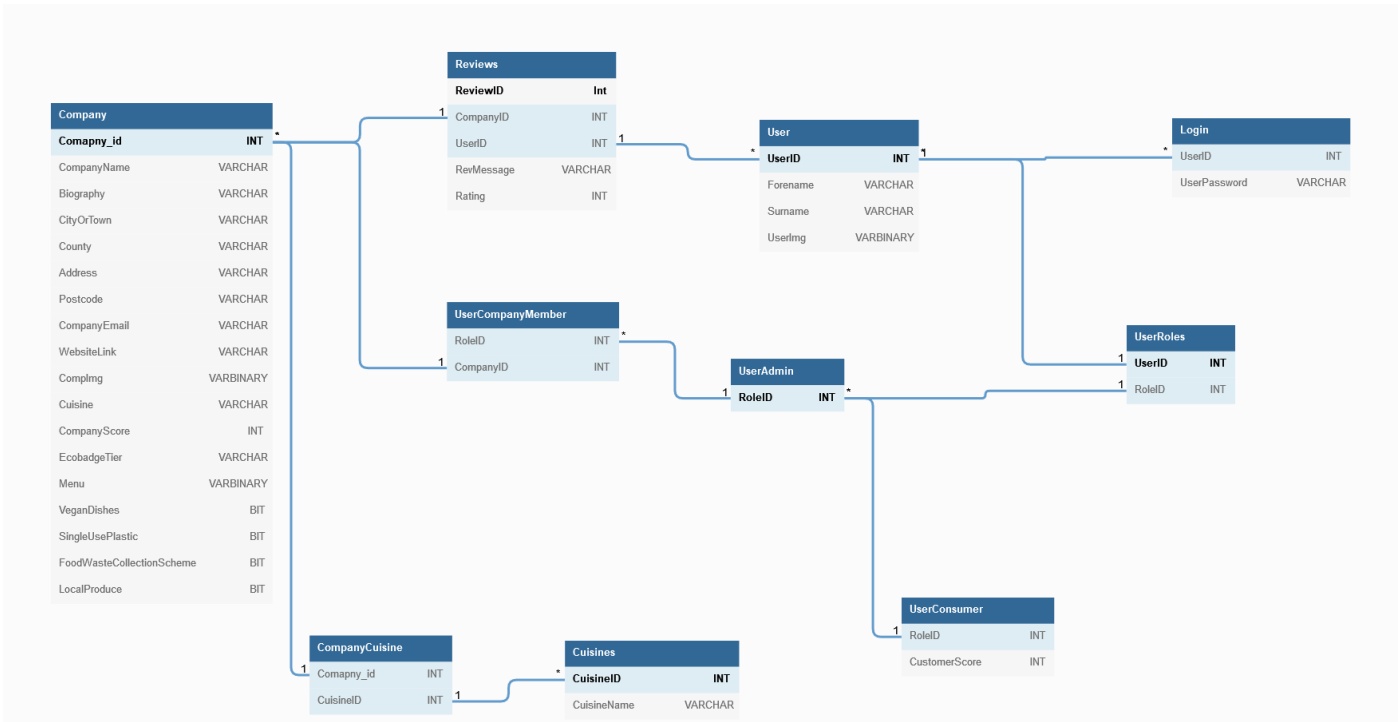


Figure 1: Database design

ECO Badge Database

Unnormalized

ECO Badge Spreadsheet:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Company Name	Company Address	Company Postcode	Company Phone Number	Company Email	Company Webiste	Picture (Upload)	Cuisine/s	ECO Badge Score	ECO Badge Teir	Supplies Vegan Dishes	Does Not Use Single Use Plastic	Uses a Foodwaste Collection Scheme	Only Uses Local Produce (100 miles)			KEY		ECO Badge Tier Information
2	J's Sandwich Shop	90 Clifton Pl, Mutley, Plymouth	PL4 8HU	1752098780	info@jssandwichshop.co.uk	jssandwichshop.co.uk		Sandwiches	80	Gold	Yes	Yes	No	Yes			Standard Company Information		Platinum 90+
3	Vegan Kitchen	Palace Street	PL1 2AY	1752135862	hello@vegan-kitchen.co.uk	vegankitchen.co.uk		Meditarian, Vegan	95	Platinum	Yes	Yes	Yes	Yes			Variable Filter Data		Gold 75 - 90
4	Churchill Inn	Sutton Harbour	PL4 0DN	1752279732	info@churchillinn.co.uk	churchillinn.co.uk		Pub Food	85	Gold	Yes	Yes	No	Yes			Yes or No Data ("must have filter")		Silver 45 - 74
5	McDouglas	Edward St, Plymouth	PL1 1QZ	1752380536	hello@mcDouglas.com	mcdouglas.com		Fast Food	75	Gold	No	No	No	No					Bronze 0 - 44
6	Pizza Palace	Leisure Park 1, First Street	PL4 0AA	1752480547	info@pizzapalace.co.uk	pizzapalace.co.uk		Pizza, Pasta	65	Silver	Yes	No	No	No					
7	Johns Pasta	Barbican	PL9 0LP	1752500243	info@johnspasta.co.uk	johnspasta.co.uk		Pasta, Italian	55	Silver	No	Yes	No	No					
8	Luisis Pizza	10, Main Street	PL2 4RN	1752612385	help@luisispizza.co.uk	luisispizza.co.uk		Pizza, Italian	78	Gold	Yes	Yes	No	Yes					
9	Best Kebab	90 Regent Street	PL3 9XZ	1752709885	contact@bestkebab.co.uk	bestkebab.co.uk		Kebab, Fast Food, Turkish	30	Bronze	No	No	No	No					
10	Lucky Wok	Hornbeam Close	PL8 1XX	1752888111	shop@luckywok.co.uk	luckywok.co.uk		Chinese, Cantonese	35	Bronze	No	No	No	No					
11	NinetyOne	Kimberley Road	PL6 8AN	1752949721	hello@ninetyone.com	ninetyone.com		Japanese	72	Silver	Yes	No	No	No					
12	Marracas	Albert Street	PL7 1QU	1752109872	info@marracas.co.uk	marracas.co.uk		Mexican	46	Silver	No	No	Yes	No					
13	Marco's	Heath Close	PL2 7PQ	1752292929	book@marcos.co.uk	marcos.co.uk		Fine Dining	80	Gold	Yes	Yes	No	No					
14																			
15																			

Other fields mentioned within **Project Brief** and **Statement of Requirements**:

Database

- The database will be the core of the ECO Badge platform.
- The database will hold the data for all the businesses listed on the platform.
- The database must be scale-able, to allow for growth to a national level.
- The database must be editable, to allow for additional data fields to be added.
- The ECO Badge team will provide you with data to input into the database once it has been created.
- The fields included in the database will be; Name; Location; Cuisine; ECO Badge Score; ECO Badge Tier; Biography; Menu PDF; Business Picture

Figure 2: Project Brief database requirements

Directory

- The directory will be a listing of all the business in the database
- The directory will appear in a list format, similarly to Ebay, Amazon and Just Eat.
- The directory will display short snippets of data for each listing e.g. **name, picture, location, cuisine, ECO Badge score.**
- Users will be able to filter the results down using the filter system.
- Clicking on a listing will take the user to the business' profile.
- Results will be shown using computerised "randomisation" to ensure an equal platform for all businesses.

Figure 3: Project Brief directory requirements

ECO Badge Database

3.7 Consumer Profile

Free consumer profiles allow consumers to track their environmental impact through a fun interactive portal. The portal will contain the following information: Name; email address; personal assessment score in a pie chart format; ECO Badge Score (QR Scan System). The portal will only be visible to the individual consumer, not to the public.

3.8. Business Profile Portal

Businesses that are paid members will have a business profile (3.5.1.) on the ECO Badge website and directory. Paid business members will have a management portal where they can edit the following features on their business profile: pictures; business description; menu PDF; opening times; contact details; social media URLs; website links. Businesses will also be able to reply to customer reviews here.

3.9 Admin Portal

This portal will be used by the ECO Badge team to manage the website. In this portal the ECO Badge team will be able to complete the following tasks: add new business profiles; edit existing business profiles; grant a paying business member access to edit their business profile; alter text and images on every page of the website; see members emails and account types.

Figure 4: Statement of Requirements profile requirements

3.5 Directory

This page will include all of the businesses registered on the ECO Badge website, in a list format. If possible for the MVP a map next to the list should be included for visual aid.

A filter section will be located at the top of this page - filters will include: location; cuisine; ECO Badge tier. Selecting one of these filters will alter the order in which businesses are displayed on the directory list.

A "must have" section will be located below the filter section. This will be a tick box option - "must have" options will include:

- Less than 20% of the plastic used is single-use plastic;
- Over 80% of waste is recycled; Business uses a food collection scheme;
- Business is carbon neutral;
- Business uses renewable energy.

When a box is ticked, only businesses who meet that criteria will be displayed to the user in the directory.

3.5.1 Business Profile

Selecting one of the businesses from the listing will move the user to the business' profile. On the profile will be the following information: name; address; pictures; business description; menu (tick boxes on Vegan, Vegetarian etc); opening times; contact details; customer reviews; social media links; website links; and the "must have" options achieved by the business. Profile's will also include a button to the business' personal ECO Badge score.

"Our ECO Badge score" - This button will open up a PDF document which displays the businesses official ECO Badge score. The scoring sheet will also include the recommendations we set out for the business.

Figure 5: Statement of Requirements directory requirements

ECO Badge Database

Unnormalized Fields:

Company ID
Name
Biography
County
City/Town
Address
Postcode
Tel
Email
Website Link
Picture
Score
Tier
Menu PDF
Vegan dishes
Single use plastic
Food waste collection scheme
Local produce