



## [W] Group 2: Codename: Developers Next Door

### Milestone 3

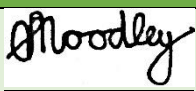


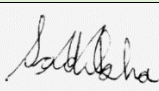
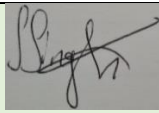
Sashen Moodley, Denita Pillay, Kalen Naidoo, Sadikha Maharaj, Shridhar Singh

## Group and System Details

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# Group and System Details

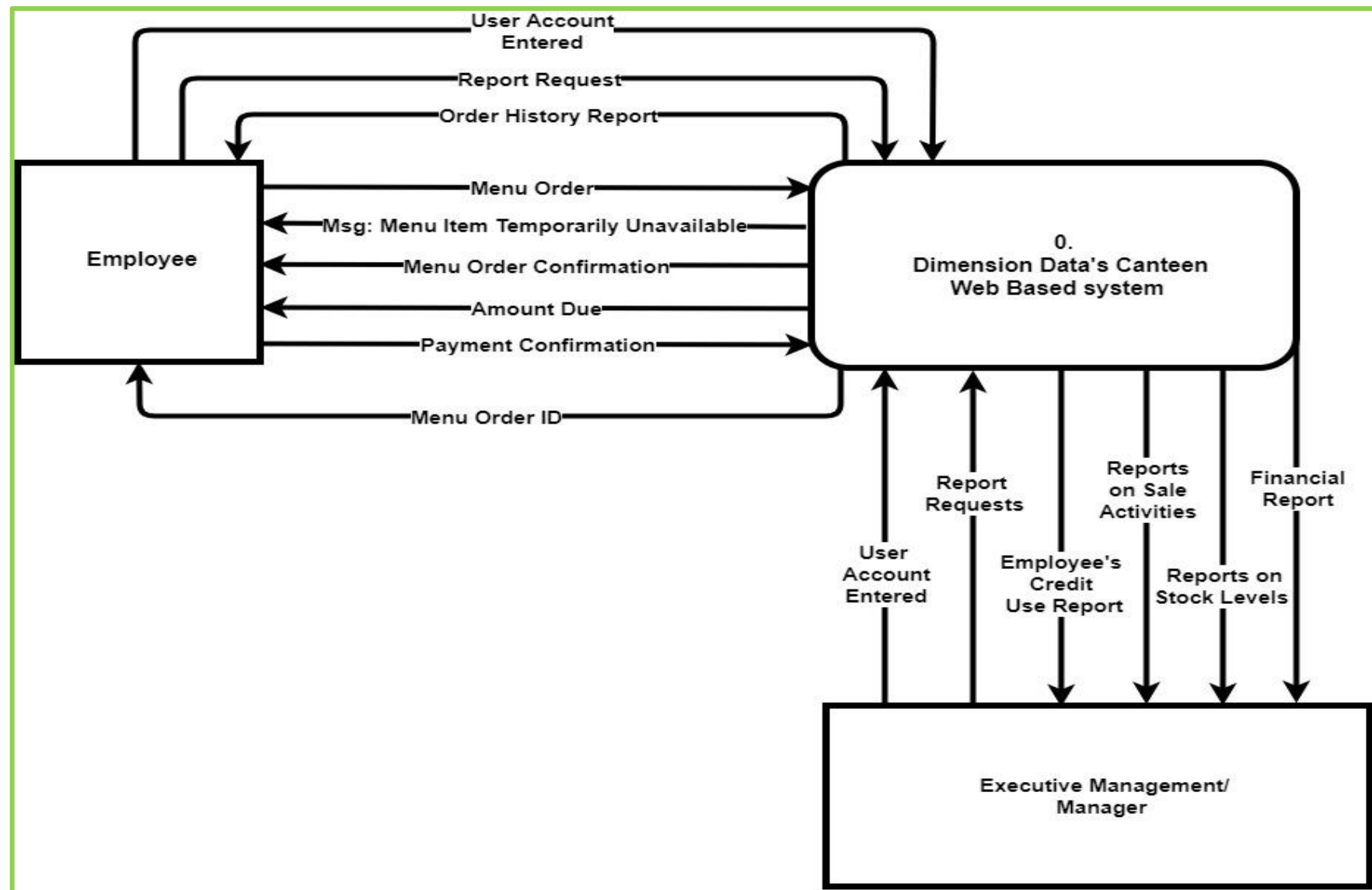
Group Number	Group/System Name
Westville Group 2	Codename: Developers Next Door
	System: Self-service ordering system

No.	Student Number	Name and Surname	% Estimated Contribution	Signature
1	219006946	Sashen Moodley	20	
2	219002425	Denita Ruth Pillay	20	
3	219032871	Kalen Naidoo	20	
4	219001721	Sadikha Maharaj	20	
5	217008024	Shridhar Singh	20	
			<b>Total: 100%</b>	

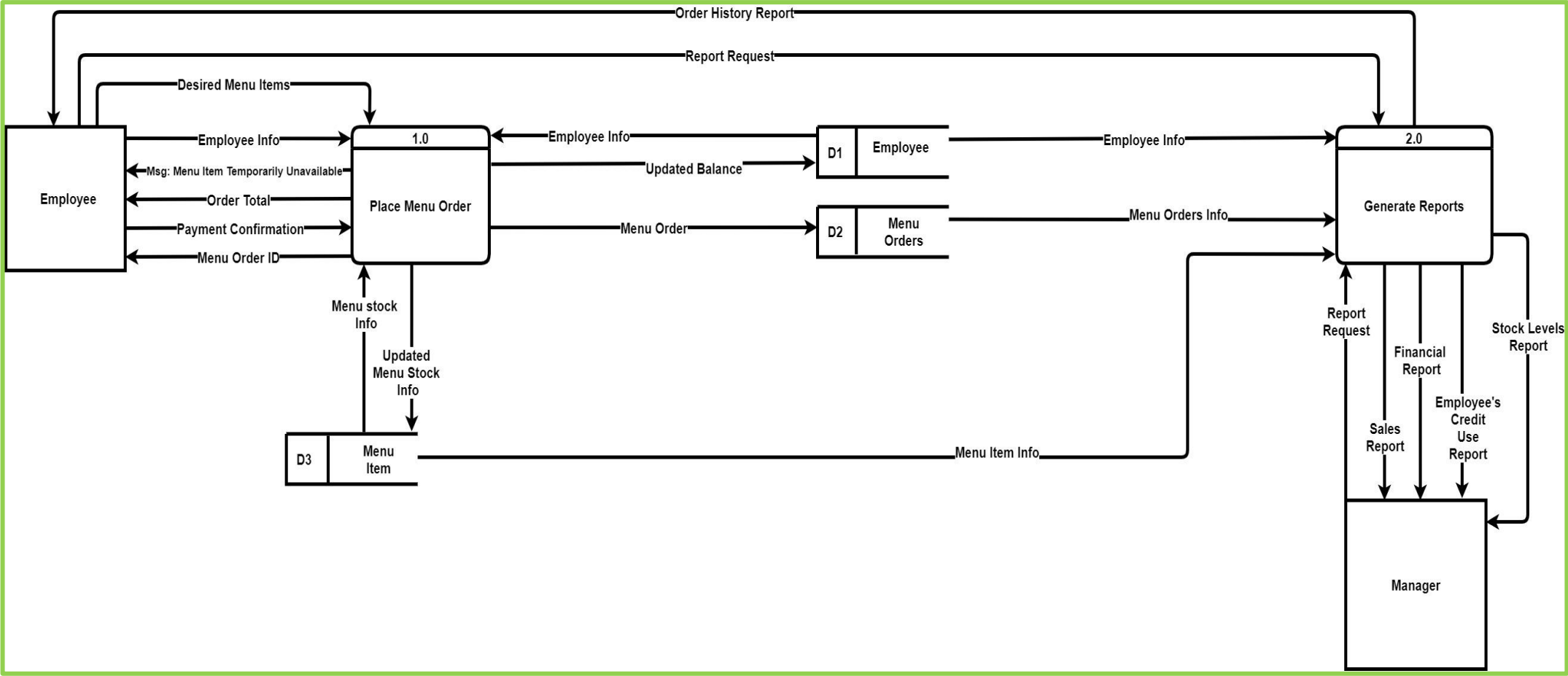
# Front-End System Enhancements

Aspect of Improvement for the FES	What was done to enhance this aspect of the FES	Level of Success (High, Moderate, Low)
Visual Improvements	<ul style="list-style-type: none"> <li>Improved spacing between UI elements</li> <li>Better colour selection for panels (reduced likeliness of dark text on dark backgrounds)</li> <li>Text and formatting improvements</li> <li>Layout changes</li> <li>Page and column heading changes</li> <li>Field and window sizing fixes</li> </ul>	High
Usability	<ul style="list-style-type: none"> <li>Filtered searching</li> <li>Moved cart to the menu</li> <li>Seeing credit info on menu</li> <li>Tooltips and improved error information</li> <li>Mandatory field checks</li> <li>More confirmation dialogues</li> <li>Included FAQ/Help section</li> <li>Different landing pages for each user group</li> </ul>	High
Security	<ul style="list-style-type: none"> <li>Masking passwords</li> <li>Emailing new passwords</li> </ul>	High
Processing	<ul style="list-style-type: none"> <li>Refinement of business rules</li> <li>Adding new items</li> <li>Improved input validation</li> <li>Archive status rather than deletion</li> <li>Improved Grid View filling parameters</li> <li>Monthly credit limit and balance interaction</li> </ul>	High
Reporting	<ul style="list-style-type: none"> <li>Added receipt after order using Crystal Reports</li> <li>Created Various PowerBI reports from data generated in the FES</li> </ul>	High

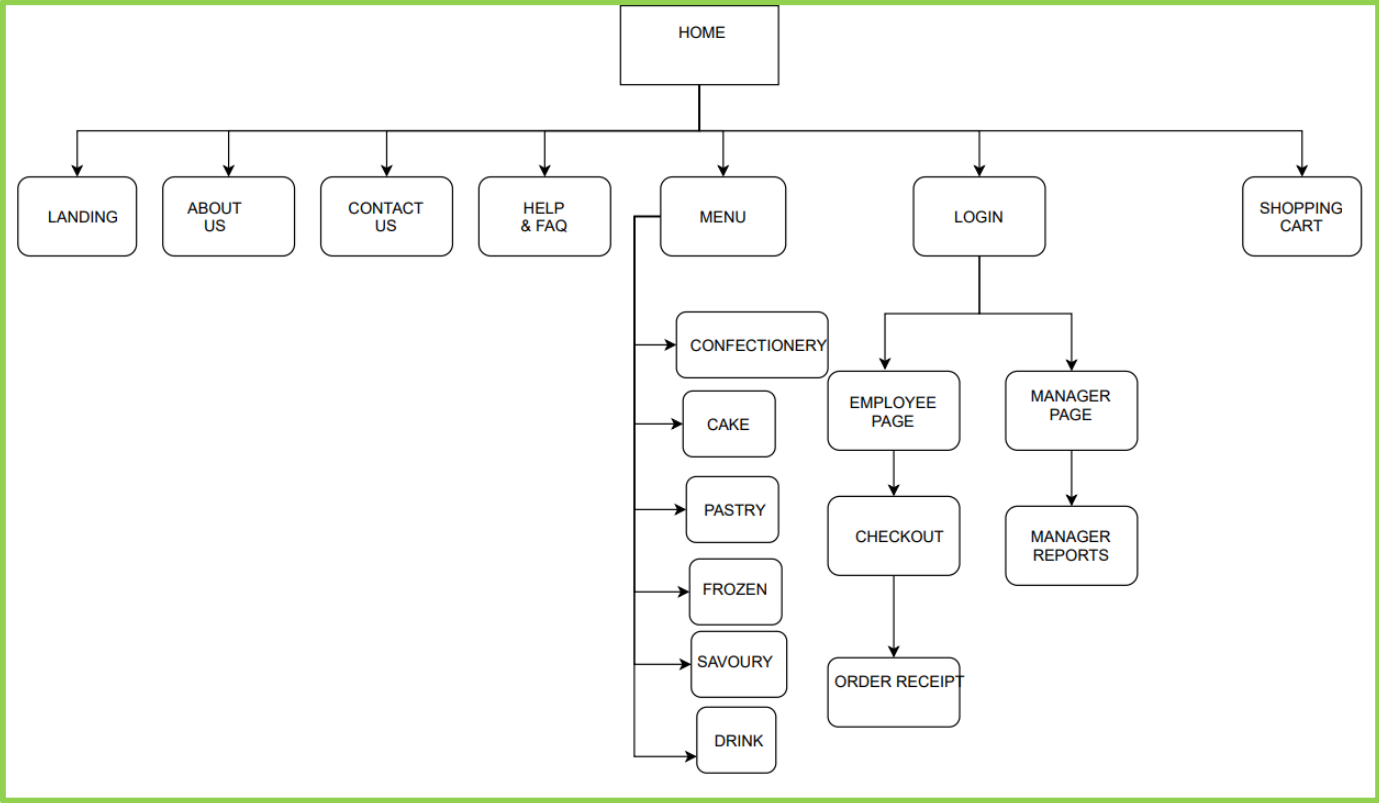
## Website Context Level DFD



# Website Level-0 DFD



# Site Map Diagram



# Website Usability Strategy

1.SEARCH	The website will contain a search feature as well as HELP & FAQ
2. LARGE FONTS	Easier to read
3. COLOR SCHEMES	Appropriate colour schemes
4.IMAGES & TEXT	Images of menu items as well as text
5.SELECTED OPTIONS	Only selected options highlighted
6. DESIGN PROCESS AND EVALUATION	Only absolutely necessary information is included in website
7. AVAILABILITY	Website should be accessible at all times
8. USER FRIENDLY	The user interface is pleasant and easy to navigate. Not many button clicks required to place order/request reports.
9. SCROLLING	Website mainly incorporates vertical scrolling. with minimal horizontal scrolling making the website more easily readable by users and fully visible.
10.CLARITY	Website is attractive, yet simple and easy to read and understand
11. PRIVACY	Personal details of users are not visible or accessible to others
12. RELEVANCE	The website is quite engaging and includes all relevant information needed as well as images of menu items.
13. RECOGNITION	The Home Page includes all necessary steps required to place an order/request reports
14. USER EXPERIENCE	Website is easy to use, does not include pop ups or bright lighting/colours that can be harmful to the eyes. Plenty of images to grab the user’s attention. Fonts are easily legible.
15. NAVIGATION	All pages in the website have visible links to all public pages including the home page and login page making it easier for users to navigate the website. Navigation options are concealed in a burger menu when the website is viewed on mobile devices or when resized on larger displays.
16. LOGIN	The website will have 1 login page. When a user logs in, the website will analyse the type of user and redirect the user to the respective page accordingly; namely employee page or manager page. This is an access control mechanism which provides “context-dependent” access to pages that are access controlled, thus increasing website security.
17. CONVENIENCE	Important fields will be displayed on top left-hand side/ no need to scroll down page for important info
18.HEADINGS	All pages have a heading
19. LINKS	Links to social media pages included in the ‘contact us’ page of the website
20. ERRORS	Website does not allow users to order a quantity of menu items that does not exist. Try catch blocks are implemented for all database connectivity, this ensures that error handling is taking place and displays the error message on screen, should an error occur.
21. CRUD	The website will allow managers to add new menu items and delete menu items, as well as request reports. The website will also allow employees to update their details on the website.



