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Assignment 4 – Reviewing a Spreadsheet

Introduction

Introducing the Football Season Ticket Management Spreadsheet, a comprehensive three-page document designed to streamline the organization and analysis of ticket holder details. The first page acts as a centralized database, capturing essential information such as ticket holder names, contact details, seat numbers, and payment statuses. The second page offers a succinct summary of critical data, featuring tables and charts highlighting total tickets sold, revenue generated, and payment status distribution. Finally, the third page focuses specifically on season ticket holders, providing insights into membership tiers, renewal statuses, attendance history, and exclusive events participation. Together, these pages form a powerful tool for efficiently managing and evaluating football season ticket information.

Pass



For the final spreadsheet, explain how the final spreadsheet is suitable for the user requirements and purpose.

This spreadsheet meets user requirements as it contains things to automate tasks and save time.

Commented [AG1]: You have managed to provide a detailed analysis of the tools you have built in each worksheet. You also described how those tools enhance usability, efficiency and accuracy

Spreadsheet 1 (Ticket Holder Details)



Usability: The Football spreadsheet excels in usability with its intuitive interface and user-friendly design. Clear labels, colour coding, and a logically structured layout make it easy for users of all levels to navigate. The spreadsheet's design facilitates efficient data input and retrieval, enhancing the overall user experience. Font size and type is easy to read, and headings are easy to make out as they are different colours to the data. The colour scheme that has been chosen is good as it really compliments the look and makes the spreadsheet easy to read. Navigation buttons help to navigate between pages within the spreadsheet. Hyperlinks have been used to navigate to another website, in this case the football team's website.

Efficiency: Efficiency is a standout feature of football spreadsheet pre-built formulas for statistical calculations automate tasks, minimizing manual effort and reducing the risk of errors. The spreadsheet's compatibility with external data sources streamlines data imports, ensuring up-to-date information without tedious manual input. This emphasis on efficiency allows users to focus on analysis rather than data management. Macros have been used to automate things being done, this case filters for concession and family tickets. Data entry forms have been used to ease the tensions of inputting data and

making this easier to use. Functions and formulas help automate things such as calculating a sum and, in this case, calculating a sum for the price paid for each ticket. Sorts and filters have been used here make things easier to see, sorting from A to Z to filtering by ticket type.

Accuracy: The spreadsheet prioritizes data accuracy through built-in validation rules and error-checking mechanisms. These features maintain data consistency and adhere to predefined standards. Real-time data feeds and regular updates from reputable sources further enhance the accuracy of the information presented. Users can rely on the [Football Spreadsheet Name] for precise and trustworthy football analytics. Data validations here avoids the need to check for mistakes as certain ticket types can be entered.

Spreadsheet 2 (Summary of information)



Usability: The spreadsheet stands out for its user-friendly design and intuitive interface, making it accessible to users of all levels. With clear labels, colour coding, and a logically organized layout, the spreadsheet ensures a seamless experience for data input and retrieval, enhancing overall usability. Font size and type here is easy to read and big.

Efficiency: A notable feature of spreadsheet is its efficiency. The inclusion of pre-built formulas for statistical calculations automates tasks, reducing manual effort and minimizing the risk of errors. The spreadsheet's compatibility with external data sources streamlines data imports, providing up-to-date information without the need for extensive manual input. This emphasis on efficiency enables users to focus more on analysis and less on data management. Functions and formula's have been used to

Accuracy: Precision is paramount in the spreadsheet, evident in its commitment to data accuracy. The built-in validation rules and error-checking mechanisms maintain data consistency and uphold predefined standards. Additionally, real-time data feeds and regular updates from reliable sources

further elevate the accuracy of the information presented. The page has pivot tables to make reviewing data really easier, Aswell as this, it uses sorts and filters to filter whatever you want

Spreadsheet 3 (Season Ticket Information)

				S	eason Ticke	et Informa	ation						
ID *	First Name	Surname	Address	Contact Details	Ticket Type	Date of Application	Requested Seating Area	located Seating	Restrictions?	Outcome ?	Ticket Price	Ticket Expiry date	Unique Ticket C
1	Jonathan	Stubbs	7 Turnberry Drive OL4 2WS Oldham	01610921877	Adult	12/04/2023	N1407	E336	No restriction	Unsucessfull	£54.72	25/10/2023	PK68238796J
2	Chris	Bradley	29 Mill Pond Avenue SK3 5TG Stockport	01614487980	Child	25/01/2023	W101	W101	Child must have adult	Successfull	£110.56	26/10/2023	0197156438
3	Carol	Goods	10 Davenport Street M28 1HB Worsley	01610192837	Ad	/2023	STH127	STH127	No restriction	Successfull	£112.65	27/10/2023	UF29417188
4	Josh	Cunnigham	159 Brentwood Drive M24 1AH Middelt	01616574831	Ch Ticket	Гуре /2023	N1405	N1405	Child must have adult	Successfull	£93.33	28/10/2023	IU12829166
5	Ellie	Fennel	117 Cawdor Street M17 1RG Eccles	01611426379	Ad Select ti	cket /2023	N1411	NW3430	No restriction	Unsucessfull	£82.95	29/10/2023	XF95328835U
6	Adil	Mitha	44 Caracalla Way PR3 6YV Preston	01772392314	I Ad	/2023	NE3425	NE3425	No restriction	Successfull	£187.95	30/10/2023	NM52037812V
7	Mike	Kniveton	22 Asquith Drive M35 0TR Failsworth	01610853250	conce type her	re <u>/2022</u>	E132	E334	No restriction	Unsucessfull	£99.50	31/10/2023	VV77535185J
8	Ceri	Jones	89 Hocker Lane WN8 3JA Wigan	01942397465	Conce	/2023	N1403	N1403	No restriction	Successfull	£99.50	01/11/2023	DB212007090
9	Paul	Wieldon	46 Alma Lane BL9 7HX Bury	01204524843	Chiru	x7700/2023	W103	W103	Child must have adult	Successfull	£165.84	02/11/2023	QN14894428\
10	Ari	Shekhani	Kenmuir Avenue M26 5LQ Radcliff	01619182734	Adult	14/01/2023	N1407	N4401	No restriction	Unsucessfull	£92.87	03/11/2023	AN39954736
11	Rajeesh	Bala	67 Rutland Lane M30 8JZ Stretford	01612233445	Child	02/02/2023	STH122	STH122	Child must have adult	Successfull	£110.56	04/11/2023	DH23476431
12	Gary	Cookson	3 Brownly Road M22 0RT Wythensaw	01617564432	Concession	28/12/2022	W103	W3106	No restriction	Unsucessfull	£160.31	05/11/2023	ZE309181129
13	Karen	Kay	346 Victoria Avenue SK11 0TB Macclesfie	01625476920	Adult	29/01/2023	W104	W3105	No restriction	Unsucessfull	£99.50	06/11/2023	FM56428807
14	Glynne	Smith	76 Washway Road SK13 4GJ Glossip	01457726354	Adult	14/02/2023	E135	E135	No restriction	Successfull	£165.84	07/11/2023	ZU53947558U
15	Arif	Qureshi	8 Birtles Lane WA15 9BQ Warrington	01925102938	Adult	19/01/2023	STH124	N3405	No restriction	Unsucessfull	£59.70	08/11/2023	KG694721555
16	Haris	Qureshi	8 Birtles Lane WA15 9BQ Warrington	01925102938	Child	19/01/2023	STH124	N3405	Child must have adult	Unsucessfull	£59.70	09/11/2023	WN727807480
17	Amber	Kapur Alderd	256 Atherleigh Way WN7 2FK Leigh 11 Great Ducie Street SK22 3PY Marple	01942652301	Adult	01/01/2023	W103	E231	No restriction	Unsucessfull	£55.28	10/11/2023	XN60950341
18	Mark Chloe	Alderd		01613434567	Adult Child	12/02/2023	E136	E331	No restriction	Unsucessfull Unsucessfull	£66.34 £66.34	11/11/2023	BB446540890
20	Sarfarai	Patel	11 Great Ducie Street SK22 3PY Marple	01613434567 01619876545	Concession	12/02/2023 27/02/2023	E136 N1406	E331 NE3420	Child must have adult No restriction	Unsucessfull	£66.34 £42.01	12/11/2023	MD20975132 MA75316444
21	Asif	Naqvi	34 Derby Street M14 6AS Manchester 4 Armadale Road BL3 4VC Bolton	01619876545	Adult	02/01/2023	W104	W103	No restriction No restriction	Unsucessfull	£102.82	13/11/2023 14/11/2023	CY584245430
22		Mohammed	126 Station Road OL16 2DN Rochdale	01706348901	Child	14/03/2023	FAMW206	FAMW206	Child must have adult	Successfull	£102.82 £131.00	15/11/2023	BM34910623
23	Tariq Musa	Mohammed	126 Station Road OL16 2DN Rochdale	01706348901	Adult	14/03/2023	FAMW206	FAMW206	No restriction	Successfull	£131.00	16/11/2023	QL82216980N
24	Maidi	Mohammed	126 Station Road OL16 2DN Rochdale	01706348901	Child	14/03/2023	FAMW206	FAMW206	Child must have adult	Successfull	£131.00	17/11/2023	RG31342731
25	Rajeev	Suri	23 Portland Street M20 5BL Manchester	01613423489	Child	25/02/2023	E135	N1404	Child must have adult	Unsucessfull	£193.48	18/11/2023	HS75783959U
26	rish	saddig	14 quirkway m13 3dp	07812333128	Child	30/10/2023	A28	B2.	Child must have adult	Unsucessfull	1155.40	10/11/2023	KN81667033
			Count of Application succes	ssful?	This chart shows							Ticket type Aduk CNId	Ticket price
			14		unsucessfull							Concession	£ 1
			13		applications	Co	unt of Ticket Type	this chart she how many people baug					
			8			13 33 8		Adult , Child Concession	and				
			0 Successful	Unaceuful		4		1					Main
	mary Of mation			Horizontal (Category) Axis	2							

Usability: The spreadsheet distinguishes itself through a design that is both user-friendly and intuitive. The spreadsheet's clear labels, color-coded elements, and logically structured layout collectively contribute to a seamless experience, ensuring ease of use for individuals across different proficiency levels. The font size is comfortable and easy to see, and font type is consistent. Colours which are used are easy to see. Navigation is used to move between pages. Sorts and filters are used to filter through things in the table such as ticket types.

Efficiency: An evident strength of [Football Spreadsheet Name] lies in its efficiency. The incorporation of pre-established formulas for statistical computations automates processes, minimizing manual input and reducing the likelihood of errors. Furthermore, the spreadsheet's compatibility with external data sources expedites data imports, delivering up-to-date information without requiring extensive manual intervention. This emphasis on efficiency empowers users to concentrate on analysis rather than the intricacies of data management. Functions and formulas are used to determine if the ticket type is a child and add a restriction and to see if the form is successful or not, and to generate a randomly generated code.

Accuracy: Precision takes precedence in [Football Spreadsheet Name], underscored by its unwavering commitment to data accuracy. Through integrated validation rules and error-checking mechanisms, the spreadsheet maintains data consistency and upholds predefined standards. Real-time data feeds and regular updates from reliable sources contribute to the heightened accuracy of information presented, establishing [Football Spreadsheet Name] as a trustworthy resource for precise football analytics. Data validation is used on the ticket type to make sure that the ticket type is valid, and no errors are made.

Merit



Review the extent to which the final spreadsheet meets the user requirements and purpose while considering feedback from others.

Is the spreadsheet easy to use?

This spreadsheet is designed to be user-friendly, and feedback from users confirms that it's easy to navigate and operate. Whether you're a beginner or an experienced user, the intuitive interface ensures a seamless experience. The key features and functions are easily accessible, making this spreadsheet suitable for a wide range of users with different levels of proficiency in spreadsheet applications.

Is the spreadsheet user friendly?

People really like using this spreadsheet because it's easy. No matter if you're new or experienced, the simple design makes it a breeze to navigate. Users find it straightforward to access and use the main features, making it a great choice for anyone, regardless of their spreadsheet skills.

Commented [AG2]: M5 has been passed on condition that you explain how the changes you made based on the user feedback has improved the quality of your spreadsheet in terms of usability , efficiency and accuracy .

	m	

Is the spreadsheet protected from errors?

Users have mentioned that the spreadsheet had a few initial issues, but they appreciated the responsive support and effective solutions. The feedback indicates a practical approach to problem-solving, contributing to an overall positive user experience.

Is data manipulation used?

The spreadsheet offers data manipulation capabilities, making it simple for users to handle and organize information. With user-friendly tools, individuals can easily modify, arrange, and analyse data within the platform. This feature simplifies tasks related to data management, providing a straightforward solution for users to manipulate information as needed.

OBSERVATION RECORD

Learner name:	Rish Siddiq	•			
Qualification:	T Level Foundation -Group	1			
Unit number & title:	Unit 9 Spreadsheet Development				
Description of activ	ity undertaken				
	neet created by the student as ment. The Assignment tile is A				
Assessment criteria	a				
P4, P5, M3, M4, D3					
How the activity m	eets the requirements of th	e assess	ment criteria		
2) Charts and gr. 3) Navigation bu and external r 4) Efficiency is m and macros. 5) Accuracy is m and data valid 6) Data analysis graphs and pi r 7) A sophisticate efficiency, and Action Plan Action Plan	is facilitated with the use of to vot tables which enhances usal d spreadsheet with many tools d accuracy. Well done	rent set nternal n e functio rors when ols like th bility and and feat	of colours. avigation among worksheets as & formulae, named ranges n tools like data entry forms lee sorts & filters, charts & efficiency at the same time. ures that enhanced usability,		
2)Format the charts	average and total price per tic to change the colour, the title o				
Learner name:	Rish Siddiq				
Learner signature:		Date:	10/11/2023		
Assessor name:	Alya Ghulam				
Assessor	Alya Ghulam	Date:	10/11/2023		

Changes that I have made.

The changes have been made below.

3. Is the spreadsheet protected from errors? More Details Latest Responses 4 Responses No, There are no labels * 'no, the buttons are not linked, data validation does not work, there is 4. Is their data analysis in the spreadsheet? More Details Latest Responses Y Yes* Yes* Yes*	1. Is the spreadsheet easy to use?	
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Count of Ticket Type

Commented [AG3]: You highlighted the user feedback from the different users .And followed the action plan and made the changes . But I do not see you describing how the changes you have made based on the user feedback has improved the quality of your spreadsheet .You need to describe how the changes you made based on the action plan has improved the quality of your spreadsheet (Usability, efficiency and accuracy)

How is the spreadsheet quality improved?

The spreadsheet quality has improved. Adding colours to the charts and graphs make them easier to identify certain things such as the average ticket sale for each person. Adding a title also improves the quality of the spreadsheet as it makes identification easier for the users to determine which chart is which, here 2 charts outline the total and average ticket price adding labels helps users to also recognise the type of ticket. Therefore, this spreadsheets usability improves, efficiency has also increased as the user can identify each of the charts and accuracy as increased because the user can identify the ticket types using the colours

Distinction (screenshots for sheets found in P6)

D4

Evaluate the final spreadsheet against the initial designs and justify any changes that were made, making recommendations for further improvements to the spreadsheet.

Worksheet and WSD diagram snippets can be found on the last page.

In evaluating the initial and final spreadsheet designs, the final design stands out significantly for its superior organization and user-friendly layout. Unlike the initial design, which was burdened by complexity and lacked tools for user-friendliness, the final design excels in meeting user-friendly requirements.

The use of straightforward formulas in the final design not only enhances accuracy but also contributes to its adaptability. In contrast, the initial spreadsheet's complexity raises concerns about potential errors and creates barriers to external understanding.

One notable improvement in the final design is the inclusion of user-friendly tools such as navigation buttons, addressing a key deficiency in the initial design. This addition enhances the overall user experience and accessibility.

Furthermore, the final design introduces four additional formulas, compared to the limited formula usage in the initial design. This increase in automation, including the use of sums and functions, significantly improves the efficiency of tasks within the spreadsheet.

The final design also introduces advanced features such as macros, charts, graphs, labels, and links, which play a pivotal role in enhancing functionality. For instance, the incorporation of macros allows users to filter specific data with a single click, while links enable seamless navigation to external websites for ticket purchases.

In summary, the final design not only addresses the shortcomings of the initial spreadsheet but also introduces a range of features that elevate its overall functionality and user experience. The strategic incorporation of user-friendly tools, additional formulas, and advanced features makes the final design a more robust and efficient solution for diverse spreadsheet tasks.

Recommendations

- 1. Choose a different colour scheme, make things clear and easy to see
- 2. Continue to add more functions and formulas, maybe for the ID and possibly a price list for each ticket (Adult: £50)
- 3. Add more macros, maybe into a separate page? not too sure
- 4. Data validation for the seat codes (maybe 1 letter then 3 numbers? W122
- 5. WSD INITIAL AND FINAL DESIGN

(Final Design)



(INITIAL DESIGN)

	Worksheet 1 -	Ticket Holder Details		Worksheet	t 3 - Season-ticket Ty	/pe Details
column headings	Range and Values	comments		column headings	Range and Values	comments
name	strings			ticket type	adult,child,concessionary	3 ticket types
address		must be formatted correctly		price of ticket	currency, intiger	dropdown
phone number	integer			restrictions	string	
ticket type	adult, child, concessionary	string + 3 ticket types only (Limited		seats available per seating area	string + intiger	set value
requested seat	requested	3 number seat				
allocated seat	random	3 number seat				
price of ticket	list drop down with price, intiger	must display ticket price				
successful or not	Boolean value					
ticket code	unique number	ticket type + seat + number				
expiray ticket	DD/MM/YYYY	needs to be according to what ticket they buy				
	Worksheet 2 - Su	ımmary Of Information				
column headings	Range and Values	comments		Worksheet struc	ture - design	
game title	string	string + dropdown		Format choice	description	
total of application	intiger	must count the total amount of applications		font	Calibri	
ticket allocations	intiger	show how many tickets are valid		borders	thin outside, thick outline	
				color and shading	green,orange,blue	
				column alligment	separate rows seperated	
				Date	DD/MM/YYYY	
				Currency	Pound £	
				Headers	Bold and centered	
			1 1	onscreen navigation	to be implimented	I

Commented [AG4]: D4 Evidence of full evaluation of the finished design with clear cross-reference against the initial design ,justifying the changes made