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NASIONALE SENIORSERTIFIKAAT

GRAAD 12

SEPTEMBER 2024

REKENAARTOEPASSINGSTEGNOLOGIE V1 NASIENRIGLYN

NAAM VAN KANDIDAAT: _____

GRAAD: _____

HANDTEKENING VAN
ONDERWYSER: _____

VRAAG	V1	V2	V3	V4	V5	V6	V7	TOTAAL
PUNTE	36	13	27	16	34	13	11	150
KANDIDAAT SE PUNT								
GEMODEREERDE PUNT								

Hierdie nasienriglyn bestaan uit 14 bladsye.



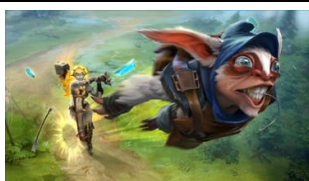
VRAAG 1

Lêernaam: Q1_Overview

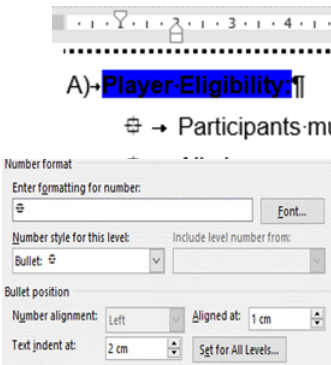
Totaal V1: 36

Nr.	Kriteria	Maksimum Punt		Kandidaat Punt
1.1	Teks: LET THE GAMES BEGIN - All caps font effek toegepas ✓ (Moenie lettertipe wat na hoofletter verander is aanvaar nie.) - Buite-afset regs onder (outer offset bottom right shadow text effect) skaduwee-effek toegepas ✓	1	2	
1.2	Inhoudsopgawe: Styl Esport1 gebruik in inhoudsopgawe ✓ - Inhoudsopgawe formele styl ✓ - Soliede lyn vir bladsy-nommer ✓ - Esport1 Style op “multiplayer” toegepas ✓ - Bladsybreuk/seksiebreuk volgende bladsy voor “Dota 2” ingevoeg sodat bladsy nommer bladsy 3 weerspieël ✓ DOTA 2 _____ 3 MULTIPLAYER _____ 5 DEVELOPMENT _____ 5 { TOC \H \Z \T "ESPORT1,1" }	1	5	

1.3.1	Eerste ry van die tabel: <table><tr><th colspan="6">Top 10 Dota 2 Teams in the world.</th></tr><tr><th>No</th><th>Logo</th><th>Team</th><th>Net worth</th><th>Rating</th><th>Last Played</th></tr><tr><td>1</td><td></td><td>Team Spirit</td><td>602032</td><td>1493</td><td>1months ago</td></tr></table> - Ry bokant die tabel bygevoeg ✓ - Alle selle saamgesmelt ✓ - Opskrif “Top 10 Dota 2 Teams in the world” het verskuif (nie gekopieer nie) na saamgevoegde sel en gesentreer ✓	Top 10 Dota 2 Teams in the world.						No	Logo	Team	Net worth	Rating	Last Played	1		Team Spirit	602032	1493	1months ago	1		3	
Top 10 Dota 2 Teams in the world.																							
No	Logo	Team	Net worth	Rating	Last Played																		
1		Team Spirit	602032	1493	1months ago																		
				1																			
				1																			
1.3.2	Laaste ry van die tabel: <table><tr><td>Average Net Worth</td><td>431785.7</td><td></td><td></td></tr></table> - Rand ingevoeg Dun binnelyn, dik buitelyn ✓ (Nota aan merker: Moet dun binne en dik buite reg rondom wees.) - Formule = Average(Above) ✓	Average Net Worth	431785.7			1		2															
Average Net Worth	431785.7																						
				1																			
1.4	Kolomme: - Twee kolomme met 'n lyn tussenin ✓ (Moet albei doen om 1 punt te kry.) 'n Kolombreuk voor die opskrif “Each” ingevoeg ✓ Dota 2 is a 2013 multiplayer online battle arena (MOBA) video game by Valve. The game is a sequel to Defense of the Ancients (DotA), a community-created mod for Blizzard Entertainment's Warcraft III: Reign of Chaos. Dota 2 is played in matches between two teams of five players, with each team occupying and defending their own separate base on the map. Each of the ten players independently controls a powerful character known as a “hero” that all have unique abilities and differing styles of play. During a match player collect experience points and items for their heroes to defeat the opposing team's heroes in player versus player combat. A team wins by being the first to destroy the other team's “Ancient”, a large structure located within their base.	1		2																			
					1																		
1.5	Voetnoot verander na eindnoot: “Steam” onder die opskrif “development”. - Voetnoot omgeskakel na eindnota ✓ - Getalformaat: A, B, C, ... ✓	1		2																			
					1																		
1.6	Aanhaling (citation): Aanhaling onder die opskrif “international” ingevoeg ✓ most lucrative esports (Gwabeni, 2022). (Nota aan nasiener: Moet die bron Gwabeni, 2022 wees.)	1		1																			

1.7	Prent: Prent onder die opskrif "Carry" teruggestel ✓  (Nota aan merker: geen punt as die prent EN grootte teruggestel is nie.)	1		1																	
1.8	Indeks: Uitlig (Highlight) uit die indeks verwyder ✓ Oorspronklik: Present on the map are "neutral creeps{XE."creeps":}" that are hostile to both teams, Korrek: Present on the map are "neutral creeps{XE."creeps":}" that are hostile to both teams, (Nota aan nasiener: Dateer indeks op en kyk of uitlig nog verwyder is, leerder moet die uitlig verwyder in dokument, nie op die indeks self nie.)	1		1																	
1.9	Indeks sub-inskrywing: - WarcraftIII subinskrywing "Blizzard" bygevoeg (Ignoreer spelling) ✓ Warcraft-III{XE."WarcraftIII:Blizzard":} - Indeks is opgedateer op die laaste bladsy ✓ Index <table><tr><td></td><td>C</td><td></td><td>M</td></tr><tr><td>creeps, 8</td><td></td><td>map, 8</td><td></td></tr><tr><td></td><td>D</td><td></td><td>W</td></tr><tr><td>Dota 2, 10</td><td></td><td>WarcraftIII Blizzard, 9</td><td></td></tr></table>		C		M	creeps, 8		map, 8			D		W	Dota 2, 10		WarcraftIII Blizzard, 9		1		2	
	C		M																		
creeps, 8		map, 8																			
	D		W																		
Dota 2, 10		WarcraftIII Blizzard, 9																			
		1																			

1.10	Soek en vervang: - Het al die IceFrog-woorde met Gabe vervang ✓ - Gabe geformateer: Rooi onderstreep ✓ en vetdruk ✓ - Pas hoofletters.(Match Case) ✓ (Bladsy 9 Onder die opskrif Development.) (4 Woorde vervang.) (7 woorde as pasmaatletters nie gekies is nie.) and the holding company DotA-Allstars, LLC. When Feak retired from DotA: Allstars in 2005, a fellow website user under the pseudonym Gabe , became its lead designer. By the late 2000s, Icefrog Defense of the Ancients became one of the most popular mods worldwide, as well as a prominent esports game. Gabe and Mescon later had a falling out in May 2009, which prompted the former to establish a new community website at playdota.com. Valve's interest in the Icefrog Dota intellectual property began when several veteran employees, including Team Fortress 2 designer Robin Walker and executive Erik Johnson, became fans of the mod and wanted Icefrog to build a modern sequel. The company corresponded with Gabe by email about his long-term plans for the project, and he was subsequently hired to design a sequel. Gabe announced his new position through his blog in October 2009, with Dota 2 being announced a year later.	1			
		1			4
		1			
		1			
1.11	Byskrif: - Nuwe byskrif etiket 'Hero' geskep en by die korrekte prent gevoeg ✓ - Onderskrif lees soos volg: Crystal Maiden ✓ - Opgedateer in die tabel van figure op bladsy 2/3 ✓ Hero 1 Carry _____ Hero 2 Crystal maiden _____ Hero 3 Bristle Back _____	1			
		1			3
		1			
1.12.1	Slimkuns (Smart art): Die None-kolpunt word by 2005 gevoeg deur die teks daaronder by te voeg en dit na die regte vlak te demoveer/afgradeer ✓	1	1		
1.12.2	- Enige kleurvolle (colourful) styl toegepas ✓ 2003 •The international 1 •The Kuala Lumpur Major 2004 •Regional EU Champions •E Sport National 2005 •None 2009 •The international 8 2010 •China Major 2017 •EU Champions	1		1	

1.13	Meervoudige vlak lys: - Vlak 1 A) ✓ (Nota aan nasiener: Moet 'y' hê om hierdie punt te kry) - Vlak 2 kolpunt: karakterkode 176 ✓ 2^{de} kolpunt in lyn gestel teen 1 cm ✓ 2^{de} kolpunt 2 cm hangende inkeping ✓ 	1			
		1			
		1			
		1			
				4	
1.14	Bron: - Filmbron bygevoeg ✓ - Inhoud korrek ingevoeg ✓ Gwabeni, Z. (2022). <i>Dota 2 TI 8</i>. Retrieved from Dota 2 : www.dota.co.za Miles, J. (Director). (2009). <i>T8</i> [Motion Picture]. Williams, W. (2023). Dota 2: The international. <i>ESPORT</i>.	1			
		1			
				2	
	Totaal vir VRAAG 1			[36]	

Totaal V2: 13

Nr.	Kriteria	Maksimum Punt			Kandidaat Punt																																	
2.1	Aftrekvormveld: • Blou Span bygevoeg ✓ • In die korrekte volgorde ✓ • Blue • Green • Red • Orange • Grey	1		2																																		
		1																																				
2.2	“Game”-titelveld: • Teksformaat van Game-titelveld verander na HOOFLETTERS. (UPPERCASE) ✓	1		1																																		
2.3	“Name”-veld: • Name-veldgrootte verander na 20 ✓	1		1																																		
2.4	Merk blokkie veld: • Merkblokkievormveld is gemerk ✓	1		1																																		
2.5	Instruksies aan die ondertekenaar: • Please ensure that this information is accurate ✓ Instructions to the signer: Please ensure this information is accurate	1		1																																		
2.6	Teks watermerk: • Teks watermerk ingevoeg ✓ (aanvaar horisontaal of diagonaal.) • Teks lees 'Registration form' ✓ • Moet slegs op die 1ste bladsy wees ✓	1		3																																		
		1																																				
		1																																				
2.7	Tabelstoppe: • Middel-tabelstoppunt ingesit op 7 cm ✓ • Regter-tabelstoppunt 24 cm met 'n soliede gidslyn ingestel ✓ • Tab-sleutel op laaste reël op twee plekke toegepas ✓ Item List <table><tr><th>Item Name</th><th>Cost</th><th>Description</th></tr><tr><td>Power Treads</td><td>1400</td><td>+10 Activate to switch between Strength, Agility, and Intelligence.</td></tr><tr><td>Blink Dagger</td><td>2250</td><td>Short-range teleportation ability.</td></tr><tr><td>Black King Bar</td><td>3975</td><td>Grants magic immunity for a duration.</td></tr><tr><td>Aghanim Sceptre</td><td>4200</td><td>Upgrades the ultimate ability of certain heroes.</td></tr><tr><td>Observer Ward</td><td>75</td><td>Provides vision in an area.</td></tr><tr><td>Sentry Ward</td><td>100</td><td>Reveals and detects invisible units in an area.</td></tr><tr><td>Dust of Appearance</td><td>180</td><td>Reveals and slows invisible units.</td></tr><tr><td>Boots of Travel</td><td>2500</td><td>Teleports to any allied non-hero unit on the map.</td></tr><tr><td>Desolator</td><td>3500</td><td>Reduces target armour on attacks.</td></tr><tr><td>Heart of Terrace</td><td>5200</td><td>Provides significant health regeneration.</td></tr></table> • Tabelstoppe op 11 reëls toegepas ✓ (Nota vir die nasieners: 'n Leerder moet die tabelstoppunt invoeg, EN dit op die regte plek (CM) invoeg om een punt te kry.)	Item Name	Cost	Description	Power Treads	1400	+10 Activate to switch between Strength, Agility, and Intelligence.	Blink Dagger	2250	Short-range teleportation ability.	Black King Bar	3975	Grants magic immunity for a duration.	Aghanim Sceptre	4200	Upgrades the ultimate ability of certain heroes.	Observer Ward	75	Provides vision in an area.	Sentry Ward	100	Reveals and detects invisible units in an area.	Dust of Appearance	180	Reveals and slows invisible units.	Boots of Travel	2500	Teleports to any allied non-hero unit on the map.	Desolator	3500	Reduces target armour on attacks.	Heart of Terrace	5200	Provides significant health regeneration.	1		4	
Item Name	Cost	Description																																				
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Desolator	3500	Reduces target armour on attacks.																																				
Heart of Terrace	5200	Provides significant health regeneration.																																				
		1																																				
		1																																				
		1																																				
	Totaal vir VRAAG 2			[13]																																		

VRAAG 3

Lêernaam: Q3_IDplayer

Totaal V3: 27

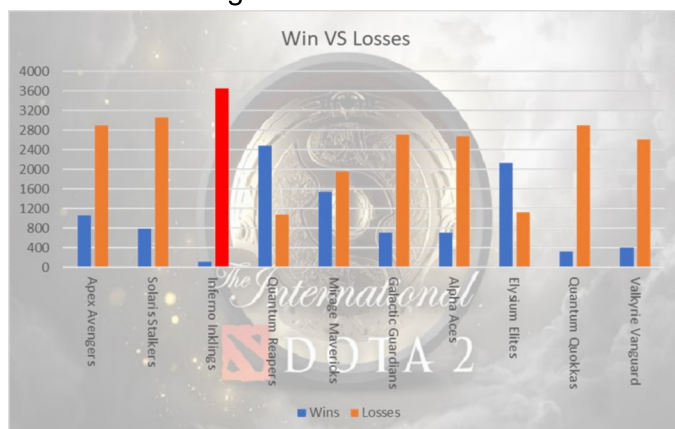
Nr.	Kriteria	Maksimum Punt			Kandidaat Punt
Q3_IDplayer					
Players werkblad					
3.1	Kolom A: • Outovul kolom A 1 tot 50 ✓	1		1	
3.2	Saamgevoegde sel: • Saamgevoegde sel sluit ry 3 in ✓ (Saamgevoeg A1:P3)	1		1	
3.3	Sel D4: • =MAX(D8:D57) ✓ OF • =LARGE(D8:D57,1) Verwagte antwoord: 3961	1		1	
3.4	Sel G4: =COUNTIFS(H8:H57,">1000",I8:I57,"<=2000") • Countifs ✓ • Reeks 1 H8:H57 ✓ • Kriteria 1 ">1000" ✓ • Reeks 2 I8:I57 ✓ • Kriteria 2 "<=2000" ✓ Verwagte antwoord: 16	1		5	
		1			
		1			
		1			
		1			
3.5	Sel O8: =IF(M8<"20/01/01",IF(E8>=2000,IF(F8<1500,"Yes","", ""), "")) =IF(M8<DATE(2020;1;1),IF(E8>=2000,IF(F8<1500,"Yes","", ""), "")) =IF(AND(M8<DATE(2020,01,01),E8>=2000,F8<1500),"Yes", "") • 1^{ste} voorwaarde ✓ • 2^{de} voorwaarde ✓ • 3^{de} voorwaarde ✓ • Indien waar "Yes" ✓ • Indien vals leeg "" ✓ • Gebruik geneste if funksie as 'n EN of Gebruik die AND-funksie ✓	1		6	
		1			
		1			
		1			
		1			
3.6	Sel P8: • Kolomindeksnommer verander van 3 na 2 ✓ • "False" Verander na "True" of verwyder ✓ • Sorteer Opsoektabel van klein na groot volgens kolom A ✓	1		3	
		1			
		1			

Travel werkblad

3.7	Sel E4: =IF(C4="Yes",D4+\$D\$2,D4) =IF(C4="No",D4,D4+\$D\$2) • C4="Yes" ✓ • True: D4+\$D\$2 ✓ • Absolute Selverwysing ✓ • False: D4 ✓	1		4	
		1			
		1			
		1			

Graph werkblad

3.8	Grafiek: - Opskrif Win vs Losses bygevoeg ✓ - Vertikale (Waarde) As (Vertical (Value) Axis): hoofeenhede verander na 400.0 ✓ - Vul die hoogste data-etiket met 'n rooi kleur ✓ - Q3Chart Prent ingevoeg in die grafiekarea ✓ 70% Deursigtigheid (Transparency) toegepas op die prentjie ✓ - Horisontale as gedraai na “Draai alle teks 90°” ✓	1		6		
		1				
		1				
		1				
		1				
		1				
Totaal vir VRAAG 3					[27]	



VRAAG 4

Lêernaam: Excel: Q4_Players

Totaal V4:16

Nr.	Kriteria	Maksimum Punt			Kandidaat Punt
Q4_Players					
Ranking werkblad					
4.1	Lêeropskrif: Ranking werkblad Lêernaam in die middel van die kopskrif ingevoeg ✓ Veld: &[File] Afvoer: Q4_Players	1		1	
4.2	Voorwaardelike formatering: - Toegepas op reeks A4:A26 ✓ - Formule: D4<=5 ✓ Of =\$D4 <=5 Of =\$D4:\$D26<=5 Of =\$D4:\$D26<6 Of =\$D4<6 - Absolute selverwysing verwyder, m.a.w. NIE \$D\$4 nie ✓ - Kleur vul blou ✓	1		4	
		1			
		1			
		1			
4.3	Sel E3: =CONCATENATE(MID(A4, FIND(" ", A4)+1, 1), MID(B4, 2, 1), C4) - CONCATENATE ✓ (Geen punt vir &) - MID en A4 ✓ - Vind die spasie ✓ - A4 + 1 ✓ (al twee vir een punt) 1^{ste} Karakter van die van ✓ - MID(B4) ✓ 2^{de} Karakter van die ID nommer ✓ - C4 ✓ (Pro of Amateur) Kyk vir boublokke.	1		8	
		1			
		1			
		1			
		1			
		1			
		1			
		1			
4.4	Details Werkblad: - Ontmerk gesluit vir selle B2:B4 ✓ - Blad beskerm ✓ (Nota aan merker: Geen wagwoord bygevoeg. Indien wagwoord bygevoeg is, verloor leerder 2 ^{de} punt)	1		2	
		1			
4.5	Herbenoem sheet1 na Game ✓	1		1	
	Totaal vir VRAAG 4			[16]	

VRAAG 5

Lêernaam: Q5GameStats

Totaal V5: 34

Nr.	Kriteria	Maksimum Punt	Kandidaat Punt
5_1Table			
5.1	Tabel 5_1 Tabel in databladaansig: Cell Effect ☐ Flat ☐ Raised ☒ Sunken Gridlines Shown ☒ Horizontal ☒ Vertical Background Color: Alternate Background Color: - Gesonke sel effek ✓ - Alternatiewe rykleur groen ✓	1	2
5.2.1	“Player ID”-Veld: Primêre sleutel is by die Player ID-veld gevoeg ✓	1	1
5.2.2	“PlayerName”-Veld: “Playername”-veldgrootte 50 ✓	1	1
5.2.3	“GamesPlayed”-Veld: GamesPlayed is 'n vereiste veld ✓ of Validasiereël: Is NOT Null	1	1
5.2.4	“Distance traveled”-Veld: Validasiereël bygevoeg: Between 30 ✓ And ✓ 500 ✓ of ≥ 30 And ≤ 500 of > 29 And < 501	1	3
5.2.5	“Skins”-Veld: Verander na true/false ✓ (verstek was yes/no)	1	1
Qry5_3 Navraag			
5.3	- Totale in Ontwerp aansig geaktiveer ✓ - Avg Frequency of logins ✓ - Geformateer tot 0 desimale plekke ✓	1	3
Qry5_4 Navraag			
5.4	AccountAge:(Date()-[Date of account creation])/30 OF AccountAge: (Date()-[Date of account creation])/365.25*12 - Berekende veld genoem AccountAge bygevoeg ✓ - Date() ✓ - Afgetrek en gebruik [Date of account creation]-veld ✓ - Korrekte gebruik van hakies ✓ /30 ✓ OF /365.25*12.	1	5

Qry5_5-Navraag

5.5

- >30000 op die “followers” kolom ✓
- Vertoon slegs die “username”-veld ✓
- Sorteer gebruikersnaam in dalende volgorde ✓
- [Experience]< [Score] ✓ op korrekte velde ✓

Field:	Username	Experience	Score	Followers
Table:	INFO	INFO	INFO	INFO
Sort:	Descending			
Show:	☒	☐	☐	☐
Criteria:		< [Score]		> 30000

OF

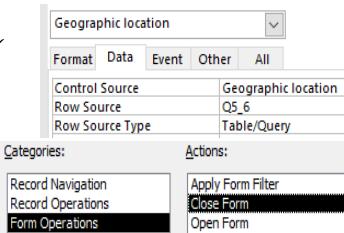
Field:	Username	Experience	Score	Followers
Table:	INFO	INFO	INFO	INFO
Sort:	Descending			
Show:	☒	☐	☐	☐
Criteria:			> [Experience]	> 30000

OF

Field:	Username	Experience	Score	Followers
Table:	INFO	INFO	INFO	INFO
Sort:	Descending			
Show:	☒	☐	☐	☐
Criteria:		[Experience]< [Score]		> 30000

1		5	
1			
1			
1			

Frm5_6 Form

5.6	- Geographic location tekshokkie verander na 'n kombinasieboks ✓ - Q5_6 table gebruik as rybron ✓ - Knoppie ingesit ✓ - Operasie om die vorm toe te maak ✓ - Used 5_6Close prentjie vir knoppie ✓		1		5	
			1			
			1			
			1			
			1			

Rpt5_7 Report

5.7	- Opskrif in die verslagopskrif verander na "Total followers per country" en oor die bladsy gesentreer ✓ Gegroepeer volgens “geographical location” ✓ - Het die veld geographical location na die groepopskrif geskuif ✓ - Berekende veld by die groepvoetskrif van ‘geographical location’ bygevoeg ✓ =Sum ✓ ([Followers]) ✓ - Die veld van geografiese ligging na enige grys agtergrondkleur geformateer ✓	1		7	
		1			
		1			
		1			
		1			
		1			
		1			
	Totaal vir VRAAG 5			[34]	

VRAAG 6

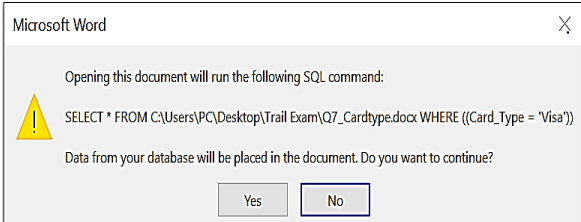
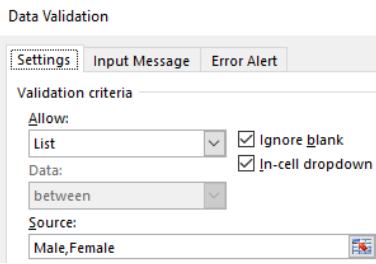
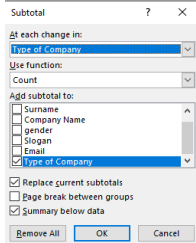
Lêername: Q6_ESport, Q6_2Ranking

Totaal V6: 13

Nr.	Kriteria	Maksimum Punt			Kandidaat Punt
6.1.1	Oortjie Naam: <code><title> Esport </title></code> Titelmerker: Beide <code><title></code> en <code></title></code> op die regte plek bygevoeg ✓	1		1	
6.1.2	Dota 2 TI10 opskrif: <code><marquee>Dota 2 TI10</marquee> </code> - Stel fontgrootte gelyk aan 10 ✓ - Verander colour na color ✓	1		2	
		1			
6.1.3	List of events of 2023 opskrif: <code></code> Verander type na face ✓	1		1	
6.1.4	Kolpuntlys: <code><ol type="A">..</code> - Verander die <code></code> na <code></code> en <code></code> na <code></code> ✓ - Type = "A" ✓ - Sluitmerker van eerste lys item verander van <code></code> na <code></code> ✓	1		3	
		1			
		1			
6.1.5	Naam No Tail: <code><td valign = "Middle" align = "center">No Tail</td></code> <code><td valign = "Middle" ✓</code> <code>align = "center" ✓>No Tail</td></code>	1		2	
		1			
6.2.1	Team Liquid prent: <code><img src ="Q6PIC/TL.jfif"</code> TL.png verander na TL.jfif. ✓	1		1	
6.2.2	Stats opskrif: <code><th colspan="4">Stats</th></code> - Colspan = 4 ✓ - Regte posisie: in die <code><th></code> merker geplaas. ✓	1		2	
		1			
	Sluitplaatjie(s) (Closing tag(s)) en nes (nesting) korrek gebruik. ✓	1		1	
	Totaal vir VRAAG 6			[13]	

VRAAG 7

Lêername: Q7_Cardtype, Q7_Data, Q7_MergeLetter Totaal V7:11

Nr.	Kriteria	Maksimum Punt			Kandidaat Punt
7.1.1	Q7_MergeLetter: Beide veranderingspore aanvaar ✓	1		1	
7.1.2	Q7_MergeLetter: - Korrekte bron "Q7_CardType.docx" gebruik ✓ - Slegs die visakaart tipe ✓ - Vervang die naam (Name) en van (Surname) velde ✓  - Possamevoeging voltooi & Gestoor as Q7Merged ✓ 9 voltooide briewe verwag in Q7Merged.	1		4	
		1			
		1			
		1			
7.2.1	Q7_Data file IP werkblad: - Datavalidering op Kolom E-geslag toegepas ✓ - Slegs manlik (male) en vroulik (female) aanvaar ✓ 	1		2	
		1			
7.2.2	Dup-werkblad: Alle duplikate verwyder – 50 rekords oor ✓	1		1	
7.2.3	Company werkblad: - By elke verandering in: Type of company ✓ - Gebruik funksie: Count used ✓ - Voeg subtotaal by: Type of company ✓ 	1		3	
		1			
		1			
	Totaal vir VRAAG 7			[11]	
	TOTAAL:			150	