




























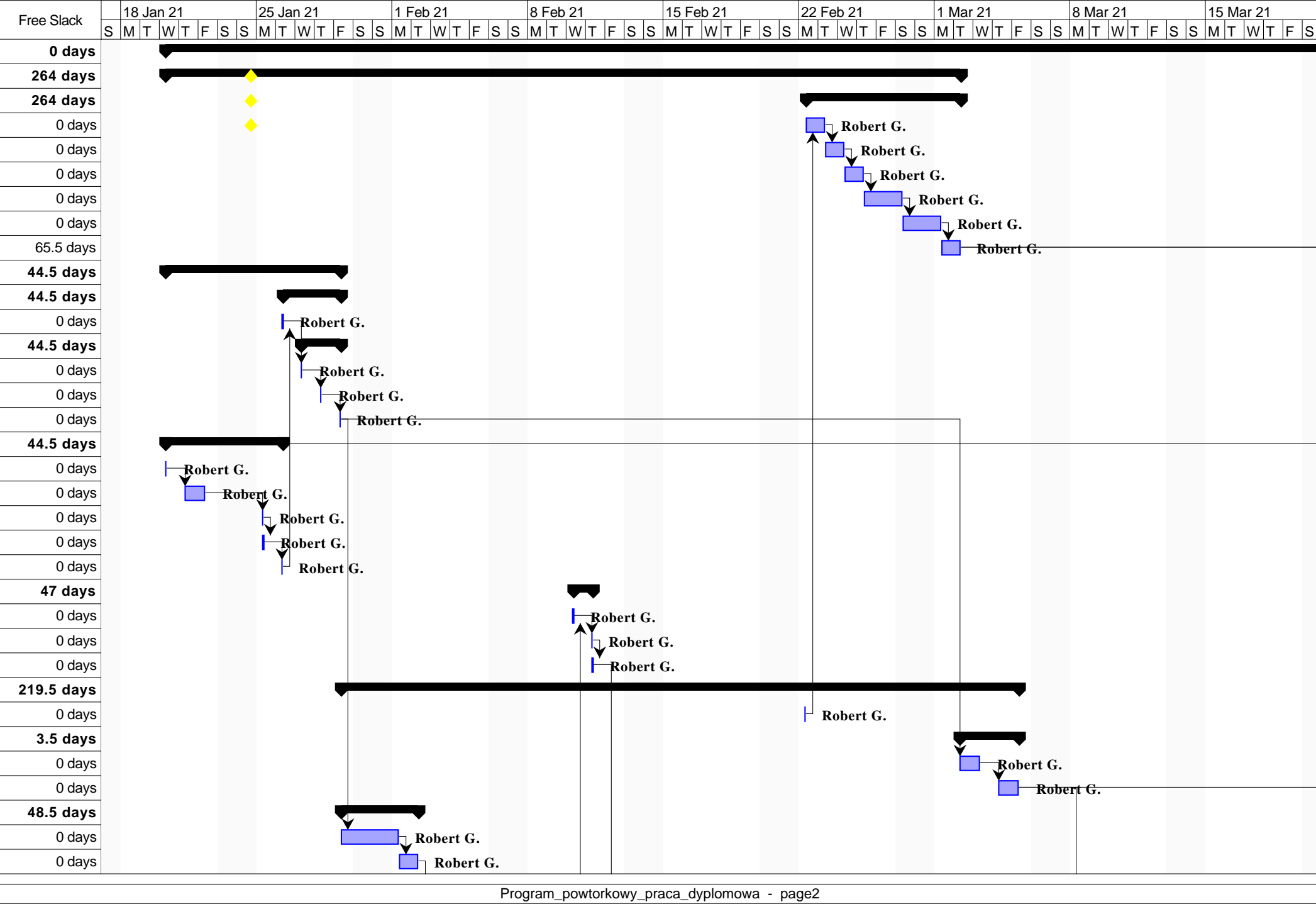

























	Name	Duration	Work	Task Calendar	Start	Finish	Predecessors	Type	Resource Names
1		<b>Projekt Programu Powtórkowego</b>	<b>413 days?</b>	<b>235 h...</b>		<b>20/01/21 ...</b>	<b>14/06/21 10:00</b>		<b>Fixed Units</b>	
2		<b>Prace przygotowawcze</b>	<b>116.5 day...</b>	<b>34 ho...</b>		<b>20/01/21 ...</b>	<b>02/03/21 09:00</b>		<b>Fixed Units</b>	
3		<b>Przygotowanie do pisanja pracy</b>	<b>24 days</b>	<b>16 ho...</b>		<b>22/02/21 ...</b>	<b>02/03/21 09:00</b>		<b>Fixed Work</b>	
4	  	Konfiguracja LaTeX Overleaf	1 day	2 hours	mine	22/02/21 09...	23/02/21 09:00	28	Fixed Work	Robert G.
5		Przygotowanie szablonu LaTeX	1 day	2 hours	mine	23/02/21 09...	24/02/21 09:00	4	Fixed Work	Robert G.
6		Przygotowanie strony tytuowej	1 day	2 hours	mine	24/02/21 09...	25/02/21 09:00	5	Fixed Work	Robert G.
7		Przygotowanie spisu treści	2 days	4 hours	mine	25/02/21 09...	27/02/21 09:00	6	Fixed Work	Robert G.
8		Abstract	2 days	4 hours	mine	27/02/21 09...	01/03/21 09:00	7	Fixed Work	Robert G.
9		Abstract po angielsku	1 day	2 hours	mine	01/03/21 09...	02/03/21 09:00	8	Fixed Work	Robert G.
10		<b>Przygotowanie merytoryczne</b>	<b>28.5 days</b>	<b>15 ho...</b>		<b>20/01/21 ...</b>	<b>29/01/21 09:00</b>		<b>Fixed Units</b>	
11		<b>Raport o istniejących systemach</b>	<b>12 days</b>	<b>6 hours</b>		<b>26/01/21 ...</b>	<b>29/01/21 09:00</b>		<b>Fixed Units</b>	
12		Lista istniejących systemów	0.5 days	1 hour	mine	26/01/21 09...	26/01/21 10:00	22	Fixed Work	Robert G.
13		<b>Charakterystyka istniejących ...</b>	<b>8.5 days</b>	<b>5 hours</b>		<b>27/01/21 ...</b>	<b>29/01/21 09:00</b>		<b>Fixed Units</b>	
14		Zalety	1 day	2 hours	mine	27/01/21 08...	27/01/21 10:00	12	Fixed Work	Robert G.
15		Wady	1 day	2 hours	mine	28/01/21 08...	28/01/21 10:00	14	Fixed Work	Robert G.
16		Wnioski	0.5 days	1 hour	mine	29/01/21 08...	29/01/21 09:00	15	Fixed Work	Robert G.
17		<b>Przegląd literatury o nauczaniu ...</b>	<b>16.5 days</b>	<b>9 hours</b>		<b>20/01/21 ...</b>	<b>26/01/21 09:00</b>		<b>Fixed Units</b>	
18		Przygotowanie listy prac naukowych	1 day	2 hours	mine	20/01/21 08...	20/01/21 10:00		Fixed Work	Robert G.
19		Lektura wytypowanych opracowań	2 days	4 hours	mine	21/01/21 08...	22/01/21 10:00	18	Fixed Work	Robert G.
20		Podsumowanie - Rola pamięci w op..	0.5 days	1 hour	mine	25/01/21 08...	25/01/21 09:00	19	Fixed Work	Robert G.
21		Podsumowanie - Uwarunkowania p...	0.5 days	1 hour	mine	25/01/21 09...	25/01/21 10:00	20	Fixed Work	Robert G.
22		Podsumowanie - Krzywa zapomina...	0.5 days	1 hour	mine	26/01/21 08...	26/01/21 09:00	21	Fixed Work	Robert G.
23		<b>Przegląd technologii</b>	<b>4.5 days?</b>	<b>3 hours</b>		<b>10/02/21 ...</b>	<b>11/02/21 10:00</b>		<b>Fixed Work</b>	
24		Przegląd techn. Frontendowej	0.5 days?	1 hour	mine	10/02/21 09...	10/02/21 10:00	37	Fixed Work	Robert G.
25		Przegląd techn. Backendowej	0.5 days?	1 hour	mine	11/02/21 08...	11/02/21 09:00	24	Fixed Work	Robert G.
26		Przegląd techn. Mobile	0.5 days?	1 hour	mine	11/02/21 09...	11/02/21 10:00	25	Fixed Work	Robert G.
27		<b>Projekt architektury systemu</b>	<b>100.5 day...</b>	<b>39 ho...</b>		<b>29/01/21 ...</b>	<b>05/03/21 10:00</b>		<b>Fixed Units</b>	
28	 	Nazwa systemu	0.5 days	1 hour	mine	22/02/21 08...	22/02/21 09:00		Fixed Work	Robert G.
29		<b>Opracowanie algorytmów systemu</b>	<b>13 days?</b>	<b>8 hours</b>		<b>02/03/21 ...</b>	<b>05/03/21 10:00</b>		<b>Fixed Units</b>	
30	 	Algorytm selekcji haseł do nauki	2 days?	4 hours	mine	02/03/21 08...	03/03/21 10:00	16	Fixed Work	Robert G.
31		Algorytm wyznaczania powtórek	2 days?	4 hours	mine	04/03/21 08...	05/03/21 10:00	30	Fixed Work	Robert G.
32		<b>Specyfikacja wymagań</b>	<b>8 days?</b>	<b>6 hours</b>		<b>29/01/21 ...</b>	<b>02/02/21 09:00</b>		<b>Fixed Units</b>	
33		Wymagania funkcjonalne	2 days?	4 hours	mine	29/01/21 09...	01/02/21 09:00	16	Fixed Work	Robert G.
34		Wymagania niefunkcjonalne	1 day?	2 hours	mine	01/02/21 09...	02/02/21 09:00	33	Fixed Work	Robert G.



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		Name	Duration	Work	Task Calendar	Start	Finish	Predecessors	Type	Resource Names
35		<b>Projekt interfejsu uytownika</b>	<b>24 days</b>	<b>12 ho...</b>		<b>02/02/21 ...</b>	<b>10/02/21 09:00</b>		<b>Fixed Units</b>	
36		Diagramy LOFI	2 days	4 hours	mine	02/02/21 09...	04/02/21 09:00	34	Fixed Work	Robert G.
37		Projekty poszczególnych interfejsów	4 days	8 hours	mine	04/02/21 09...	10/02/21 09:00	36	Fixed Work	Robert G.
38		<b>Wybór technologii</b>	<b>5 days?</b>	<b>4 hours</b>		<b>12/02/21 ...</b>	<b>15/02/21 10:00</b>		<b>Fixed Units</b>	
39		Wybór techn. Front-end	0.5 days?	1 hour	mine	12/02/21 08...	12/02/21 09:00	26	Fixed Work	Robert G.
40		Wybór techn. Back-end	0.5 days?	1 hour	mine	12/02/21 09...	12/02/21 10:00	39	Fixed Work	Robert G.
41		Wybór techn. Mobile	0.5 days?	1 hour	mine	15/02/21 08...	15/02/21 09:00	40	Fixed Work	Robert G.
42		Wybór Bazy danych	0.5 days?	1 hour	mine	15/02/21 09...	15/02/21 10:00	41	Fixed Work	Robert G.
43		<b>Model bazy danych</b>	<b>13 days?</b>	<b>8 hours</b>		<b>16/02/21 ...</b>	<b>19/02/21 10:00</b>		<b>Fixed Units</b>	
44		Diagramy ERD	3 days?	6 hours	mine	16/02/21 08...	18/02/21 10:00	42	Fixed Work	Robert G.
45	 	Relacje	1 day?	2 hours	mine	19/02/21 08...	19/02/21 10:00	44	Fixed Units	Robert G.
46		<b>Implementacja systemu</b>	<b>213 days?</b>	<b>108 h...</b>		<b>08/03/21 ...</b>	<b>20/05/21 10:00</b>		<b>Fixed Units</b>	
47		Implementacja Bazy danych	2 days	4 hours	mine	08/03/21 08...	09/03/21 10:00	31;45	Fixed Work	Robert G.
48		<b>Przygotowanie IDE</b>	<b>5 days?</b>	<b>4 hours</b>		<b>10/03/21 ...</b>	<b>11/03/21 10:00</b>		<b>Fixed Units</b>	
49		Konfiguracja IDE dla aplikacji webowej	1 day?	2 hours	mine	10/03/21 08...	10/03/21 10:00	47	Fixed Work	Robert G.
50		Konfiguracja IDE dla aplikacji mobilnej	1 day?	2 hours	mine	11/03/21 08...	11/03/21 10:00	49	Fixed Work	Robert G.
51		<b>Implementacja modułów systemu</b>	<b>185 days?</b>	<b>94 ho...</b>		<b>12/03/21 ...</b>	<b>17/05/21 10:00</b>		<b>Fixed Units</b>	
52		<b>Implementacja modułów Back-...</b>	<b>157 days?</b>	<b>80 ho...</b>		<b>12/03/21 ...</b>	<b>06/05/21 10:00</b>		<b>Fixed Units</b>	
53		<b>Obsuga konta uytownika</b>	<b>25 days?</b>	<b>14 ho...</b>		<b>12/03/21 ...</b>	<b>22/03/21 10:00</b>		<b>Fixed Units</b>	
54		Logowanie	2 days?	4 hours	mine	12/03/21 08...	15/03/21 10:00	50	Fixed Work	Robert G.
55		Rejestracja	2 days?	4 hours	mine	16/03/21 08...	17/03/21 10:00	54	Fixed Work	Robert G.
56		Usuwanie konta	1 day?	2 hours	mine	18/03/21 08...	18/03/21 10:00	55	Fixed Work	Robert G.
57		Obsuga zespołów uczniów - klas	2 days?	4 hours	mine	19/03/21 08...	22/03/21 10:00	56	Fixed Work	Robert G.
58		<b>Import danych</b>	<b>12.5 days?</b>	<b>7 hours</b>		<b>23/03/21 ...</b>	<b>26/03/21 09:00</b>		<b>Fixed Units</b>	
59		Import masowy	2 days?	4 hours	mine	23/03/21 08...	24/03/21 10:00	57	Fixed Work	Robert G.
60		Import jednostkowy	1.5 days?	3 hours	mine	25/03/21 08...	26/03/21 09:00	59	Fixed Work	Robert G.
61		Poczenie z baz danych	1 day?	2 hours	mine	26/03/21 09...	29/03/21 09:00	60	Fixed Work	Robert G.
62		<b>Zarzdanie uczniami</b>	<b>44 days?</b>	<b>22 ho...</b>		<b>29/03/21 ...</b>	<b>13/04/21 09:00</b>		<b>Fixed Units</b>	
63		Zarzdanie skadem klasy	2 days?	4 hours	mine	29/03/21 09...	31/03/21 09:00	61	Fixed Work	Robert G.
64		Przydzielenie zestawów lekcyjnych	1 day?	2 hours	mine	31/03/21 09...	01/04/21 09:00	63	Fixed Work	Robert G.
65		kontrola postpów	2 days?	4 hours	mine	01/04/21 09...	05/04/21 09:00	64	Fixed Work	Robert G.
66		Przeprowadzanie testów zprawd...	4 days?	8 hours	mine	05/04/21 09...	09/04/21 09:00	65	Fixed Work	Robert G.
67		Kontakt z uczniem	2 days?	4 hours	mine	09/04/21 09...	13/04/21 09:00	66	Fixed Work	Robert G.
68		<b>Implementacja algorytmów</b>	<b>16 days?</b>	<b>8 hours</b>		<b>13/04/21 ...</b>	<b>19/04/21 09:00</b>		<b>Fixed Units</b>	



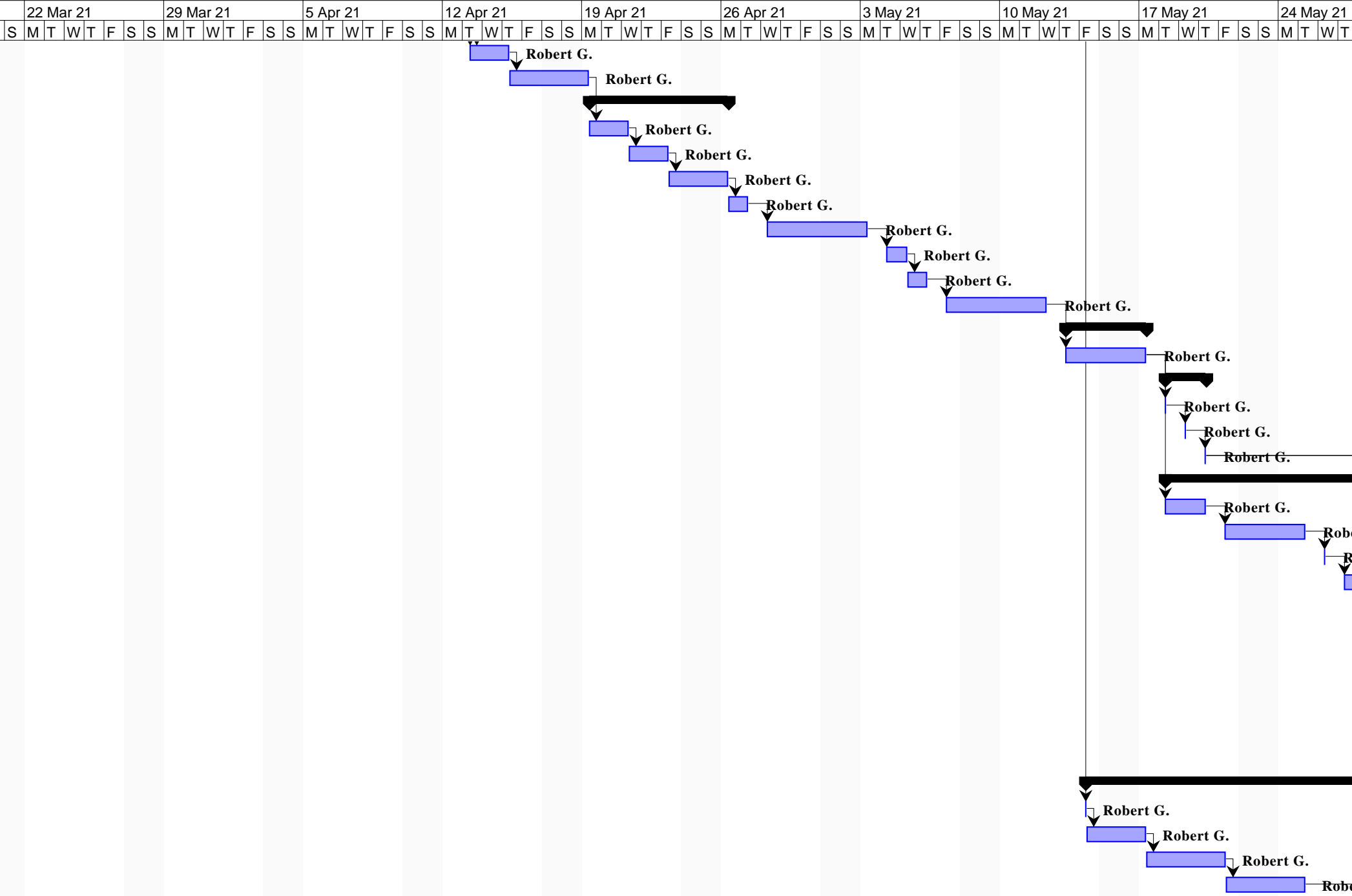
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		Name	Duration	Work	Task Calendar	Start	Finish	Predecessors	Type	Resource Names
69		Implementacja algorytmu selekcji..	2 days?	4 hours	mine	13/04/21 09...	15/04/21 09:00	67;31	Fixed Work	Robert G.
70		Implementacja algorytmu powtóreń	2 days?	4 hours	mine	15/04/21 09...	19/04/21 09:00	69	Fixed Work	Robert G.
71		<b>Faza nauki</b>	<b>20 days?</b>	<b>10 ho...</b>		<b>19/04/21 ...</b>	<b>26/04/21 09:00</b>		<b>Fixed Work</b>	
72		Prezentacja materiau	2 days?	4 hours	mine	19/04/21 09...	21/04/21 09:00	70	Fixed Work	Robert G.
73		Proces opanowania pamiciowego	2 days?	4 hours	mine	21/04/21 09...	23/04/21 09:00	72	Fixed Work	Robert G.
74		Proces przeuczenia	1 day?	2 hours	mine	23/04/21 09...	26/04/21 09:00	73	Fixed Work	Robert G.
75		Faza powtórki	1.5 days?	3 hours	mine	26/04/21 09...	27/04/21 10:00	74	Fixed Work	Robert G.
76		Statystyki	4 days	8 hours	mine	28/04/21 08...	03/05/21 10:00	75	Fixed Work	Robert G.
77		Eksport danych	1.5 days?	3 hours	mine	04/05/21 08...	05/05/21 09:00	76	Fixed Work	Robert G.
78		Routing	1.5 days?	3 hours	mine	05/05/21 09...	06/05/21 10:00	77	Fixed Work	Robert G.
79		Bezpieczestwo	4 days	8 hours	mine	07/05/21 08...	12/05/21 10:00	78	Fixed Work	Robert G.
80		<b>Implementacja modułów Front...</b>	<b>9 days?</b>	<b>6 hours</b>		<b>13/05/21 ...</b>	<b>17/05/21 10:00</b>		<b>Fixed Units</b>	
81		Szablony widoków	3 days?	6 hours	mine	13/05/21 08...	17/05/21 10:00	79	Fixed Work	Robert G.
82		<b>Wdrozenie systemu</b>	<b>9 days?</b>	<b>6 hours</b>		<b>18/05/21 ...</b>	<b>20/05/21 10:00</b>		<b>Fixed Units</b>	
83		Wybór hostingu	1 day?	2 hours	mine	18/05/21 08...	18/05/21 10:00	81	Fixed Work	Robert G.
84		Konfiguracja bazy danych	1 day?	2 hours	mine	19/05/21 08...	19/05/21 10:00	83	Fixed Work	Robert G.
85		Przeniesienie danych	1 day?	2 hours	mine	20/05/21 08...	20/05/21 10:00	84	Fixed Work	Robert G.
86		<b>Testowanie systemu</b>	<b>41 days?</b>	<b>22 ho...</b>		<b>18/05/21 ...</b>	<b>01/06/21 10:00</b>		<b>Fixed Units</b>	
87		Testy funkcjonalne	3 days?	6 hours	mine	18/05/21 08...	20/05/21 10:00	81	Fixed Work	Robert G.
88		Testy integracyjne	3 days?	6 hours	mine	21/05/21 08...	25/05/21 10:00	87	Fixed Work	Robert G.
89	 	Testy akceptacyjne	1 day?	2 hours	mine	26/05/21 08...	26/05/21 10:00	88	Fixed Work	Robert G.
90		Testy zabezpiecze	2 days?	4 hours	mine	27/05/21 08...	28/05/21 10:00	89	Fixed Work	Robert G.
91		Wprowadzenie poprawek	2 days	4 hours	mine	31/05/21 08...	01/06/21 10:00	90	Fixed Work	Robert G.
92		<b>Wnioski</b>	<b>2.5 days?</b>	<b>5 hours</b>	<b>mine</b>	<b>02/06/21 ...</b>	<b>04/06/21 09:00</b>		<b>Fixed Work</b>	
93	 	Odniesienie do tematu pracy	1 day?	2 hours	mine	02/06/21 08...	02/06/21 10:00	9;85;91	Fixed Work	Robert G.
94		<b>Ocena biecego stanu systemu</b>	<b>1 day?</b>	<b>2 hours</b>	<b>mine</b>	<b>03/06/21 ...</b>	<b>03/06/21 10:00</b>		<b>Fixed Work</b>	
95		Analiza zrealizowanych funkcjonalnoci	0.5 days?	1 hour	mine	03/06/21 08...	03/06/21 09:00	93	Fixed Work	Robert G.
96		Analiza funkcjonalnoci niezrealizow...	0.5 days?	1 hour	mine	03/06/21 09...	03/06/21 10:00	95	Fixed Work	Robert G.
97		Kierunki dalszego rozwoju systemu	0.5 days?	1 hour	mine	04/06/21 08...	04/06/21 09:00	96	Fixed Work	Robert G.
98	 	<b>Zaczniki</b>	<b>22 days?</b>	<b>27 ho...</b>	<b>mine</b>	<b>14/05/21 ...</b>	<b>14/06/21 10:00</b>		<b>Fixed Work</b>	
99		Bibliografia	0.5 days?	1 hour	mine	14/05/21 08...	14/05/21 09:00	17	Fixed Work	Robert G.
100		Specyfikacja wymaga	1 day?	2 hours	mine	14/05/21 09...	17/05/21 09:00	99	Fixed Work	Robert G.
101		Dokumentacja systemu	4 days?	8 hours	mine	17/05/21 09...	21/05/21 09:00	100	Fixed Work	Robert G.
102		Dokumentacja wdrozeniowa	2 days?	4 hours	mine	21/05/21 09...	25/05/21 09:00	101	Fixed Work	Robert G.

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		Name	Duration	Work	Task Calendar	Start	Finish	Predecessors	Type	Resource Names
103	 	Dokumentacja powdroeniowa	2 days?	4 hours	mine	10/06/21 09...	14/06/21 09:00	106;102;9	Fixed Work	Robert G.
104		<b>Istrukcja uytkowania</b>	<b>6.5 days?</b>	<b>8 hours</b>	<b>mine</b>	<b>04/06/21 ...</b>	<b>14/06/21 10:00</b>		<b>Fixed Work</b>	
105		Instrukcja ucznia	3 days?	6 hours	mine	04/06/21 09...	09/06/21 09:00	97	Fixed Work	Robert G.
106		Instrukcja nauczyciela	1 day?	2 hours	mine	09/06/21 09...	10/06/21 09:00	105	Fixed Work	Robert G.
107	 	Oddanie pracy dyplomowej	0 days?	0 hours	mine	14/06/21 10...	14/06/21 10:00	85;103	Fixed Units	





