SDLC

An introduction to the Software Development Lifecycle.

Task 2 SDLC

Question	Answer		
How many phases can an SDLC have? (Format X-Y)	6-8		

Task 3 SDLC Phases Part 1

Question	Answer		
What phase focuses on determining the first idea for a prototype?	Requirements Definition		
What stage is also known as the "Feasibility Stage"?	Planning Stage		
When do you outline the user interfaces and network requirements?	Design and Prototyping		

Task 4 SDLC Phases Part 2

Question	Answer
What phase focuses on handling issues or bugs reported by end-users?	Operations and Maintenance
What phase involves releasing new versions of software?	Deployment
What phase ensures software meets the standards defined in the requirements phase?	Testing

Task 5 Keep CALMS

Question	Answer		
What does CALMS stand for?	Culture, Automation, Lean, Measurement, Sharing		

Task 6 DevOps Metrics

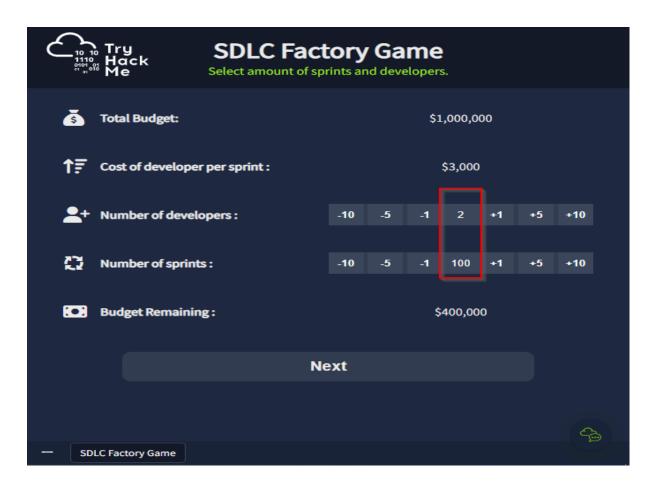
Question	Answer
What 2 metrics are used to measure deployment agility?	deployment speed and frequency
What is an essential rate for engineers in Production environments to know if code meets security requirements?	Failure Rate
What is the measurement for recovery time after a failure?	MTTR

Task 7 Production of the Droids

What is the flag that you receive once you have doubled the empire's investment?

Answer: THM{Ruler.of.the.SDLC.Droids}

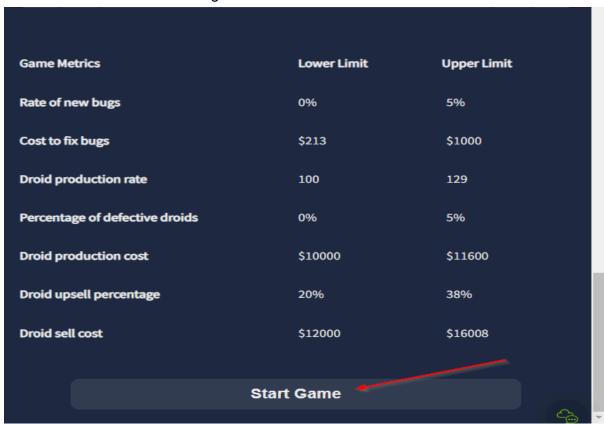
- → The idea of this game is in reducing the number of developers and increasing the number of sprints will increase the empire's investment for doubling the empire's investment
- → The empire has provided an initial seed funding of \$1,000,000 and expects a return of double the investment, i.e., \$2,000,000 or higher. The strategy to achieve this involves:
- Reducing Developers: This aligns with Brooks's law, suggesting that fewer developers can lead to a more streamlined and efficient process, avoiding delays caused by the complexities of managing a larger team.
- Increasing Sprints: More sprints allow for iterative development, continuous improvement, and quicker feedback loops, leading to higher productivity and better quality outcomes.







→ Then i clicked on start game



→ Then i clicked on "Next Month" tab up until december project run and checked the result



SDLC Factory Game Factory production line.



Project Run	Funds at start of month	Money Out	Money In	Droid Produced	Defective Percentage	Defective Count

January \$400000.00 \$1104077.35 \$1506133.34 3.23%

Next month

Project Run	Funds at start of month	Money Out	Money In	Droid Produced	Defective Percentage	Defective Count
January	\$400000.00	\$1104077.35	\$1506133.34	112	3.23%	2
Febuary	\$802055.99	\$1345414.32	\$1592829.45	111	3.58%	2
March	\$1049471,11	\$1424448.44	\$1648208.03	124	3.96%	5
April	\$1273230.69	\$1190572.30	\$1765940.46	108	3.05%	3
May	\$1848598.85	\$1293279.52	\$1501564.63	125	3.14%	5
June	\$2056883.96	\$1075900.18	\$1517473.28	121	0.94%	1
July	\$2498457.06	\$1239417.39	\$1641850.98	126	3.03%	2
August	\$2900890.65	\$1227356.31	\$1495072.58	126	3.43%	5
September	\$3168606.92	\$1286876.07	\$1593185.06	130	0.07%	5
October	\$3474915.91	\$1391804.61	\$1634641.47	129	3.55%	3
November	\$3717752.77	\$1225210.47	\$1676657.53	108	1.22%	4
December	\$4169199.83	\$1148890.33	\$1470474.71	125	1.65%	2

→ Finally, i got the flag



END!!!