Practical Ass	ignment	UT (PAU	11)																					
	Tack 1:	Defining	Soldiore											Tack 2: C	reating Soldiers									
	Task I.	Delilling	Joidleis			1.2 Snip	er, Berse	rker, Me	dic and E	ngineer		1.4		Task Z. C	reading Soluters									T
	1.1 Sold	lier Abstr	act Class	5			e classes			Ū		Design	TOTAL	2.1 Cond	crete Creator pa	rticipants		2.2 crea	teSoldie	r method	impleme	ntation		2.3 UML
	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3 3	3	12	4	2	2	2	2	12	3
Student#	4 Attributes	attack operation	Constructors and destructor	(Pure) Virtual hitZombie, celebrate, getHit, die	Total	hitZombie implementation per class	celebrate implementation per class	gethit implementation per class	die implementation per class	Wording marches class and method	Total	Correctly identified as Template Method	TOTAL	SniperFactory Implementation structurally correct - own .h and .cpp	ctory tion correct - ry rion	structurally correct - own EngineerFactory Implmentation structurally correct - own		Addition of setters or constructor in Soldier class	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Total	Soldier hierarchy
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State Stat	Practical Ass	signment	UI (PAC	11)																					
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USB00988	Student#		attack operation	and	(Pure) Virtual hitZombie, celebrate, getHit, die	Total	hitZombie implementation per class		gethit implementation per class	die implementation per class	marches class	Total	dentified Method	TOTAL	SniperFactory Implementation structurally correct - own .h and .cpp	1	ect -		Addition of setters or constructor in Soldier class	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Total	Soldier hierarchy
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Table 2: Part	Practical Ass	ignment	UT (PAU	11)																					
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	u20430168	1		1	2		2	2		2	2	10	1	16				12			2		2	12	0

Practical Ass	igninent	UI (FAU	''')																					
	Task 1:	Defining	Soldiers			11 2 Snin	er Berse	rker Me	dic and E	ngineer		11.4		Task 2: C	reating Soldiers			l						
	1.1 Sold	lier Abstr	act Class	5			ci, beroe		alo alla E	-iigiiicci		Design	TOTAL	2.1 Cond	crete Creator par	ticipants		2.2 crea	teSoldie	r method	impleme	ntation		2.3 UML
	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3 3	3	12	4	2	2	2	2	12	3
	Attributes	attack operation	Constructors and destructor	(Pure) Virtual hitZombie, celebrate, getHit, die		nbie implementation ass	ate implementation	gethit implementation per class	implementation per	ng marches class and		xly identified as ate Method	_	SniperFactory Implementation structurally correct - own .h and .cpp	ctory tion correct ry rtion	Structurally correct - own EngineerFactory Implmentation structurally correct - own		Addition of setters or constructor in Soldier class	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for		Soldier hierarchy
C4		ttack	onst	onre)	Total	hitZombie per class	celebrate per class	gethit lass	die im class	Wording method	Total	Correctly id Template	TOTAL	nipe mpler orrec	nper mper truct Aedic	ngin npln truct	Total	Addition	npler reate etter	npler reate etter	npler reate etter	npler reate etter	Total	oldie
Student#	4	σ 1	0	E 0						> <u>E</u>		0 -		<u>ω = δ</u>				< 5			<u> </u>	_ D 0		
u20430516 u20430630	1 1	1	1	2	5	2	2	2	2	2	10 10	1	16 16	3	3	-	12 12	4	2	2	2	2	12	3
u20430630 u20431997	1	1		2	5 5	2	2	2	2	2	10	1	16	3		3 3	12	4	2		2	2	12 12	3
u20431997 u20432748	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	2	2	2	2	12	3
u20432748	1				0						0		0	3	3	5 5	0	4					0	3
u20435780	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3 3	12	4	2	2	2	2	12	3
u20433992	1	1	1		5	2	2	2	2	2	10	1		3		3 3	12	0		2	2	2	8	3
u20437863	1	1		2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	_			2	12	0
u20437863	1	1		2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	2		2	_	12	3
u20439963	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	2	2	2	2	12	3
u20440562	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3 3	12	4		2		2	12	3
u20441135	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	2		2	2	12	3
u20441984	·				0				_	_	0		0	Ť	<u> </u>	9	0	•			_		0	Ť
u20442018	1	1	1	2	5	2	2	2	2	2	10	1	_	3	3	3 3	12	4	2	2	2	2	12	3
u20443260	0				2	2	2	1	2	2	9	0		3		3 3	12	4	1	1	1	1	8	3
u20443626	1	1	1	2	5	2	2	1	2	2	9	1	15	3		3 3	12	4	2	2	2	2	12	3
u20444738	1	0	1		4	2	2	0	2	2	8	1		3		3 3	12	0		2		2	8	3
u20448474	1	1	1	0		0	2	0	2	2	6	1	10	3		3 3	12	4	2		2		12	0
u20450533	1	1	1	2	5	2	2	0	2	2	8	1	14	3		3 3	12	4	2		2	2	12	3
u20450932	1	0	0		3	0	2	0	2	2	6	0		3		3 3	12	4				2	12	3
u20451696	1	1		2	5	2	2	2	2	2	10	1	16	3		3 3	12	4	2		2	2	12	3
u20453222	1	1	1	2	5	0	2	2	2	2	8	1	14	3	3	3 3	12	4	1		1	1	8	3
u20453478	1	0	1	2	4	2	2	0	2	2	8	1	13	3	3	3 3	12	4	2	2	2	2	12	3
u20454342					0						0		0				0						0	
u20456078	1	0	1	2	4	2	2	0	2	2	8	1	13	3	3	3 3	12	3	2	2	2	2	11	3
u20460067	1	0	1	2	4	2	2	0	2	2	8	1	13	3	3	3 3	12	3	2	2	2	2	11	3
u20460687	1	1	1	2	5	2	2	0	2	2	8	0	13	3	3	3 3	12	4	1	1	1	1	8	3
u20463163	1	0	1	2	4	2	2	2	2	2	10	1	15	3	3	3 3	12	4	2	2	2	2	12	3
u20465026	1	1	1	2	5	2	2	0	2	2	8	1	1-7	3	3	3	12	4	2	2	2	2	12	3
u20466570					0						0		0				0						0	
u20468203	1	0		2	4	2	2	0	2	2	8	1	13	3		3 3	12	4	2	2	2	2	12	3
u20469366	1	0		2	4	0	2	0	2	2	6	1		3		3	12	4				2	12	3
u20471582	1	1		2	5	2	2	0	2	2	8	1	14	3		3 3	12	4		2	2	2	12	3
u20473509	1	0	1	2	4	0	2	0	2	2	6	1	11	3	3	3 3	12	4	2	2	2	2	12	3
u20477181					0						0		0				0						0	\perp
u20478144	1	1	1	2	5	0	2	0	2	2	6	1	12	3		3 3	12	4	2	2	2	2	12	0
u20479884	1	1	1	2	5	2	2	0	2	2	8	1	14	3		3 3	12	4	2	2	2	2	12	3
u20481218	1	0	1		4	0	2	0	2	2	6	1		3		3 3	12	4		2		2	12	3
u20486783	1	1	1	0		2	2	2	2	2	10	1	14	3		3 3	12	4		2	2	2	12	3
u20491141	1	1	1	2	5	2	2	0	2	2	8	1	14	3	3	3 3	12	4	3	3	3	3	16	3

Ta	ask 1: D																								
110	ask I. D		Saldiara											Took 2: C	reating Soldi	oro									
		enning c	oluleis			1.2 Snipe	er. Berse	rker. Me	dic and E	ngineer		1.4	1	Task Z. C	reading Solui	CIS									
1.	.1 Soldie	er Abstra	ct Class	;		Concrete				•		Design	TOTAL	2.1 Cond	crete Creator	partic	cipants		2.2 crea	teSoldie	r method	impleme	ntation		2.3 UML
	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2	2	2	2	12	3
	Attributes	attack operation	uctors and destructor	(Pure) Virtual hitZombie, celebrate, getHit, die		nbie implementation	ate implementation	gethit implementation per class	die implementation per class	ng marches class and d		tly identified as ate Method		SniperFactory Implementation structurally correct - own .h and .cpp	BerserkerFactory Impementation structurally correct - own MedicFactory	Implementation structurally correct - own	EngineerFactory Implmentation structurally correct - own		Addition of setters or constructor in Soldier class	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for	Implementation of createSoldier calling the setter or constructor for		Soldier hierarchy
Of the state of the	Attri	ttack	Constructo	oure) elebr	Total	hitZombie per class	celebrate per class	gethit lass	die imp class	Wording method	Total	Correctly is Template	TOTAL	niper npler orrec	nper truct	nple	ngine npln truct	Total	dditic	npler reate etter	npler reate etter	npler reate etter	npler reate etter	Total	oldie
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u20493836 u20494166	1	0	1	2	4	2	2	0	2	2	8	0		3	3	3	3	12	4	_	2	2	2	12	0
u20494166 u20494654	1	0	1	2	4	2	2	2	2	2	10	1	15	3		3	3	12	4				2	12	3
u20494654 u20498510	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	3
u20502126	1	1	1	2	5	2	2	0	2	2	8	0		3	3	3	3	12	4	1		1	1	8	3
u20502120 u20504552	1	1	1	0	3	2	2	0	2	2	8	1	12	3	3	3	3	12	4	2		2	2	12	3
u20504552 u20506237	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0			0		0	0
u20506237 u20507102	1	1	1	2	5	2	2	2	2	0	10	1	16	3	3	3	3	12	1	2	0	2	0	12	3
u20507102 u20513667	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2	2	2	2	12	3
u20519517	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	0
u20519517 u20522623	1	1	1	2	5	2	2	2	2	2	10	0		3		3	3	12	4			2	2	12	0
u20528036	0	1	1	2	4	2	2	2	2	2	10	1	15	3	3	3	3	12	0			2		8	3
u20528834	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	0	_		2		8	3
u20529440	1	1	1	2	5	2	2	2	2	2	10	0		3	3	3	3	12	0				2	8	0
u20532581	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3	3	12	4				2	12	3
u20534541	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	2				2	10	3
u20536951	1	1	1	2	5	2	2	2	2	2	10	1	16	3		3	3	12	0			2		8	3
u20538945	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2		12	3
u20554240	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	3
u20556455	1	1	1	1	4	2	2	2	2	2	10	1	15	3	3	3	3	12	4	2		2	2	12	3
u20557622		-			0						0	-	0					0						0	
u20573783					0						0		0					0						0	
u20575085	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	0	2	2	2	2	8	3
u20578688	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2	2	2	2	12	0
u20581018	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	3
u20586737		•	•	_	0						0	•	0		<u> </u>			0	·	_	_	_		0	
u20592061	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2	2	2	2	12	3
u20612894		•	•	_	0						0	·	0		<u> </u>			0	·	_	_	_		0	—
u20632429	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2	2	2	2	12	3
u20646284	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	3
u20660652	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	0			2	2	8	3
u20662302	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	0	2		2	2	8	3
u20692286	1	1	1	2	5	2	2	2	2	2	10	0	15	3	3	3	3	12	4	2		2	2	12	3
u20734621	1	1	1	2	5	2	2	2	2	2	10	1	16	3	3	3	3	12	4	2		2	2	12	3
u20780479	1	1	1	1	4	2	2	2	2	2	10	0		3	3	3	3	12	3	2	2	2	2	11	3

Practical Assi	ı <u>g</u>					Task 3:																	
						Clone the																	Final
						Zombies	Task 4:	Let the ap	ocolyns	se begin													Mark
				2.4			Tuen II			4.3	4.4 Apoc	colypse											
	Class di	agram		Design	TOTAL		4.2 Desi	gn stores	;	Save	simulati	on		4.5 Final	UML Cla	ss diagra	am						
	3	4	10	1	35	5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	92
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	SoldierFactory hierarchy	Ore Pro		Correctly identified and Factory Method		Clone function added to the Zombies class	Soldier store using the Memento pattern	Zombie store using the Memento pattern		Save the created soldiers	Forn Soldiers and Zombies, runs the simulation n*n time	Publish each simulation's results		Template Method Pattern nighlighted	Factory Method Pattem correctly depicted with the factory method highlighted	e a e a	Memento for Soldiers	Memento for Zombies	Associations correctly shown	Generalisation correctly shown			FINAL MARK
	ř.	nde ete		of the		T fu	er s	ie s into		the	So ies,	sh e		Template № highlighted	y the P	op type	ntc	ntc	iatiا	ا عالا		بـ	Σ
	g	ncr	Total	cto	TOTAL	one e Zc	l die	mb me	Total	Ş.	드윤월	Publish results	Total	m Jhlig	cto	ne otot oul	ame	me	Associa shown	Genera	Total	TOTAL	₹
Student#	So	Dependency between ConcreteCreators and ConcreteProduct				Ç	გ≅	Zo		_		Pu				clone operation of "part" Prototype visisble - it should be at least virtual		₩	As sh	Ge sh	-		
u04483716	0	0	3	0		5	2	2	4	C		5	10	0	0	0	0	0	0	0	0	14	61
u04515146	3		10	2		5			10	6			10	0	2	1	2	2	1	1	9	35	92
u04534205	3	3	9	0		5	5	5	10	ϵ	0	0	0	1	2	1	2	2	1	1	10	26	79
u14047986	<u> </u>		0		0				0	1			0								0	0	0
u15036058	+ -	 .	0		0	_	<u> </u>		0	-			0	_					_		0	0	0
u15223893 u15231748	3		7 10	1	16 33	5		<u>0</u>	0 10	6		0 5	0 10	0	0	0	0	0	0	0	9	0 35	25 88
u16016239	3	4	0	1	0	5	- 3	5	0		5	5	0		Z	U			1	1	0	0	0
u16032889			0		0				0				0								0	0	0
u16068344	3	2	8	0		5	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	48
u16115092	1		0	<u> </u>	0	Ů	Ť	Ŭ	0		, ,	Ŭ	0		·	·		•		Ŭ	0	0	0
u16172494			0		0				0				0								0	0	0
u16320965	0	0	0	1	21	5	2	2	4	4	5	0	5	0	0	0	0	0	0	0	0	13	55
u17016534			0		0				0				0								0	0	0
u17029377	3	3	9	1	34	5	5	5	10	ϵ	5 5	0	5	1	2	1	2	2	1	1	10	31	86
u17030553	3	4	10	0	34	0	0	0	0	(0	0	0	0	0	0	0	0	0	0	0	0	50
u17053928	3	4	10	1	35	0			0				0	0		0	0	0	0	0	0	0	51
u17066736	3	3	9	1	34	5	5	5	10	(0	0	0	1	2	1	0	0	1	1	6	16	71
u17080012			0		0				0				0								0	0	0
u17102210	3		6	1	31	5			0	C			0	0		0	0	0	0		0	0	52
u17110310	3	4	10	1	35	5	5	5	10	3	5	0	5	0	2	1	2	0	1	1	7	25	79
u17169811	0	_	0	1	0 24	-	_		0	 	, ,		0	1	3		2	3	4	4	9	9	0 54
u17229457 u17259772	3		3 8	1	9	5		0	0			0	0	0	2	0	2	2 0	0	0	0	0	23
u17259772 u17311030	1 3	<u> </u>	0	'	0	0	H	U	0	H (, 0	0	0	"	U	U	U	U	U	0	0	0	0
u17311030 u17320012	+		0		0				0	+	1		0								0	0	0
u18003193	+	 	0		0				0		1		0		 						0	0	0
u18019499	0	0	0	0		5	5	5	10	6	5 0	0	0	0	0	0	2	2	0	0	4	20	64
u18021388	1	T Š	0		0		Ť		0	<u> </u>	† Ť		0		1		-				0	0	0
u18025685	0	0	0	1	25	5	0	0	0	C	0	0	0	0	2	1	0	0	0	0	3	3	49
u18034332	0	0	0	1	25	5	0	0	0	C	0	0	0	1	0	0	0	0	0	1	2	2	48
u18041494	3	4	10	1	35	5	5	5	10	6	5	0	5	0	2	1	2	2	1	1	9	30	86
u18045881	0	0	0	0		0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	1
u18046887			0		0				0				0								0	0	0
u18053239	0	0	0	0		0	0	0	0	C	0	0	0	0	0	0	0	0	0	0	0	0	39
u18055215			0		0				0				0								0	0	0
u18055461	3		3	0	_	5		5	10	6		0	5	0		0	2	2	1	1	6	27	67
u18061908	3		8	1	33	5			10	(5	1	2	1	2	2	1		10	31	83
u18069704	3		8	1	25	5			0		0		0	0		0	0	0	1		4	4	47
u18074074	3	4	10	1	35	5	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	48

Practical Ass	ı <u>y</u>					Task 3:																	
						Clone the																	Final
						Zombies	Task 4:	Let the ap	ocolyns	se begin													Mark
				2.4			Tuen II			4.3	4.4 Apoc	olypse											
	Class di	agram		Design	TOTAL		4.2 Desi	gn stores	;	Save	simulati	on		4.5 Fina	I UML Cla	ss diagra	ım						
	3	4	10	1	35	5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	92
														_	o D								
	ξ			70		\$		Φ		Save the created soldiers		Publish each simulation's results		Template Method Pattern highlighted	Factory Method Pattem correctly depicted with the factory method highlighted	ra la				<u>~</u>			
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u18080368	3	2	8	0		5	5	5	10	ϵ	5 5	3	8	1	2	1	0	0	1	1	6	30	82
u18098721			0		0				0				0								0	0	0
u18105883	0		0	0		5			10	(5	10	1	2	1	2	2	1	1	10	36	78
u18108467	3	4	10	0	_	5	5	5	10	6	5	5	10	0	2	1	2	2	1	1	9	35	87
u18118802	_	_	0		0	_	<u> </u>	-	0	!	5 5	-	0	 	_				_	_	0	0	0 67
u18169253 u18183052	3	0	6	0	22 0	5	5	5	10	6	5	0	5 0	1	2	0	0	0	0	1	0	25 0	0
u18183052 u18191135	3	3	9	0	_	5	5	5	10	6	5 0	0	0	1	2	0	2	2	1	1	9	25	73
u18191133	3		6	0		5			10	5		0	0	1	2	0	0	0			5	20	70
u18197729	0		0	1	25	5		0	0			0	0	0		0	0	0				0	46
u18219919			0	·	0	Ů	Ť		0	<u> </u>	1		0	Ť							0	0	0
u18265163	3	0	6	1	31	5	0	0	0		0	0	0	1	0	0	0	2	0	1	4	4	56
u18286250	3	0	6		30	5	5	5	10	ε	5 5	5	10	0	0	0	0	0	0	0	0	26	76
u18312374	0	0	0	0	0	0	0	0	0	C	0	0	0	0	0	0	0	0	0	0	0	0	13
u18335412	3	4	10	0	34	5	3	3	6	4	1 5	5	10	0	2	0	2	2	1	1	8	28	82
u18350110	0	0	3	0		0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	42
u18371435			0		0				0				0								0	0	0
u19001836	3	<u> </u>	10	1	35	5		3	6	C		0	0	1	2	1	2	2	1	1	10	16	70
u19004232	3	4	10	0		0	3	3	6	() 3	3	6	1	2	1	2	2	1	1	10	22	70
u19007443			0		0				0				0								0	0	0
u19008130 u19009977	1		0	1	0	4	<u> </u>	-	0	—			0		2		0	-	1	1	0	0	0 85
u19009977 u19015951	3		10 10	1	35 35	5		5 4	10 8	6		5 5	10 10	0		0	0	0	1	1	4 10	30 34	90
u19015951 u19021209	3	4	0	'	0	5	 4	4	0	"	7 3	3	0	 		1	2		- 1	1	0	0	0
u19021203			0		0				0		1		0				t				0	0	0
u19027372	0	2	5	0	-	5	0	0	0		0 0	0	0	0	0	1	0	0	1	0		2	51
u19028084	<u> </u>		0		0	Ĭ	Ť	Ĭ	0		1		0	Ť	ا	-				Ĭ	0	0	0
u19028815	3	0	3	1	4	0	0	0	0		0	0	0	0	0	0	0	0	0	0		0	10
u19029242	3	4	10	1	35	5			10	6			8	1		1	2	2			10	34	90
u19033347			0		0				0				0								0	0	0
u19037717	0		5	1	30	5		0	0	C		2	2	0	-	0	0	0	0		0	2	53
u19044233	0		0	0		5			8	C			2	0		0	0	0				10	53
u19048280	1	4	6	1	31	5			10	3			10	0		0	0	0				23	75
u19050993	3		10	0		5			6		0		2	1	2	1	2	2		1	10	18	72
u19053313	3		10	0		5			0	C			0	0	-	0	0	0				0	54
u19061359	0	0	0	0		0	0	0	0	C	0	0	0	0	0	0	0	0	0	0		0	0
u19061430 u19062665	1	1	0		0	-	 	-	0	\	-	2	0	_	2	- 1	4	- 1	1	4	0	0 31	0 81
u19062665 u19068035	3		6 10	0	31 34	5			10 0	6		3	2	1	2	1	1	2	1	1	7 10	12	66
u19068035 u19068710	3		10	0		5			10	0			2	1 1	2	1	2	2	1	1	10	22	76
u 19000/10	3	4	10	U	34	5	5	0	10		, 0			1 1		- 1	2		1	1	10	22	70

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u19068752	3	4	10	1	35	2	5	5	10	0	0	0	0	1	2	1	2	2	1	1	10	20	73
u19072067			0		0		_	_	0	_			0		<u> </u>						0	0	0
u19072164 u19077450	3	4	10 0	1	35 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50 0
u19077450 u19083786	0	0	3	1	24	0	2	0	_	0	0	3	3	1	0	0	0	0	0	0	1	6	36
u19085584	1	U	0		0	0		0	0	1	0	3	0		"	"	- 0	0	0	0	0	0	0
u19083384 u19088133	3	4	10	0	34	5	5	5	10	5	5	3	8	0	2	1	2	2	0	1	8	31	84
u19100133	3	4	10	0	30	5	0	0	0	0			2	0			0			_		2	52
u19103345	3	4	10	1	35	5	5		10	6			10	0			2			1	9	35	91
u19116498	3	0	6	0	30	5	5	0	5	0			0	0	2	1	2	0		1	6	11	62
u19123460	3	4	10	1	35	5	5	5	10	6	5	2	7	0	2	1	2	2	1	1	9	32	88
u19126353	3	0	6	0	30	5	5	5	10	6	5	3	8	0	2	1	1	1	0	0	5	29	79
u19130938	3	0	6	0	16	5	0		0	0			0	0			0				0	0	37
u19141859	3	4	10	1	35	5	3		6	6			10	1			2			1	9	31	87
u19151952	3	0	6	1	31	5	5		10	6				1			2				7	33	85
u19153113	3	4	10	1	35 0	0	5	5	10 0	6	5	0	5	1	2	1	2	2	1	1	10 0	31 0	79 0
u19185032 u19185678	3	0	3	-	26	5	5	5	10	6	6	5	0 11	0	1	0	0	0	0	0	1	28	74
u19183678	3	4	10	1	31	3	0		0	0			0	0			0				0	0	50
u19214597	3	0	6	0	30	5	5		10	6				1		0	2					32	77
u19228882	3	4	10	0	30	0	0		0	0				0			0					0	44
u19236183	3	3	9	1	30		5		10	6			5	1		0	2	2			8	29	75
u19236272			0		0				0				0								0	0	0
u19247258			0		0				0				0								0	0	0
u19264047	3	4	10	0	34	5	5	5	10	6	5	5	10	0	0	0	2	2	1	1	6	32	86
u19276720			0		0				0				0								0	0	0
u19284072	3	4	10	1	35	5	5		10	6				1	_		2			1	10	36	92
u19290498	3	0	6	1	31	5	5		10	6				1		0	2	2			8	29	81 62
u19294418	3	0	6	1	23	_	5		10	6				1		0	0			0	2	23	62 82
u19340631 u19367211	3	0	6	0	26 31	5	5 5		10 10	6			10 5	1	2	0	2	2		0	9 7	35 22	82 74
u20421169	3	U	0	- 1	0	5	5	5	0	1	U	5	0	1		U			U	U	0	0	0
u20421109	+		0		0				0				0		-						0	0	0
u20424575	3	4	10	1	35	5	5	5	10	6	0	5	5	1	2	1	2	2	1	1	10	31	87
u20426799	3	3	9	1	34	5	5		10	6				1	_	0	2			1	9	25	78
u20426918	3	4	10	1	27	5	5		10	6			5	1			2	2		1	9	30	78
u20427248			0		0				0				0								0	0	0
u20427736	3	0	6	1	31		5	5	10	0	0	2	2	1	2	0	2	2	1	1	9	21	68
u20428082	0			1	25	5	5		10	0			5	0			0					15	61
u20430168	0	0	0	1	25	5	5	5	10	0	0	5	5	0	0	0	0	0	0	0	0	15	61

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u20430516 u20430630	3	4	10	1	35	5	5 5	5 5	10	6		5 5	10	1	2	0	2	2	1	1	9	35	91
u20430030	3		6	1	31	5			10			5	5	1	2	0	2	2	1	1	9	24	76
u20431337	3		6	1	31	5		0	0			5	5	0		0	0	0	0		0	5	57
u20435780	1	T T	0		0		Ť		0	<u> </u>	† <u> </u>		0	Ť	1						0	0	0
u20435992	3	4	10	1	35		5	5	10	ε	6	5	11	1	2	0	2	2	1	1	9	36	87
u20436077	3	4	10	1	31	5	0	0	0	C	0	5	5	0	0	0	0	0	0	0	0	5	57
u20437863	3		7	1	32	5			10	6			0	0		0	0	0	0		0	16	69
u20438151	3		10	1	35	5			10	ϵ		5	10	1	2	0	2	2	1		9	35	91
u20439963	3		10	1	35		5	5	10	5		5	5	1	2	0	2	2	1	1	9	29	80
u20440562	3		10	1	35	5			10	6			0	1	2	0	2	2	1	1	9	25	81
u20441135	3	4	10	1	35	5	5	5	10	C	0	0	0	1	2	0	2	2	1	1	9	19	75
u20441984 u20442018	3	4	10	1	0 35	5	4	4	0 8	6	5 0	5	5	1	2	0	1	1	0	1	6	0 25	0 81
u20442018 u20443260	3		9	0		5			0	3			5	1	2	0	0	0	0		3	11	56
u20443626	3		6	1	31	5		4	8	3		0	0	1	1	0	0	0	0		3	14	65
u20444738	3		6	1	27	5			8	e			5	1	2	0	2	2	1		9	28	73
u20448474	3		3	1	28	5		0	0	C			5	0	2	0	0	0	0		3	8	51
u20450533	3	4	10	1	35	4	0	0	0	C	0	0	0	1	2	0	0	0	0	0	3	3	56
u20450932	3	0	6	0		3		4	8	C			0	0		0	0	0	0		1	9	51
u20451696	3		10	1	35	4		3	6	C			0	1	0	0	1	1	0		3	9	64
u20453222	3		6	1	27	5		4	8	C		5	5	1	2	0	1	1	0		6	19	65
u20453478	3	4	10	1	35	5	4	4	8	C	0	0	0	0	0	0	2	2	1	1	6	14	67
u20454342 u20456078	3	<u> </u>	0		0		<u> </u>		0	—		_	0	_			_				0	0	0 51
u20456078 u20460067	3		10 6	1	34 30	4		0 4	0 8	C			5	1	0	0	0 1	0	0		6	0 19	66
u20460067 u20460687	0		3	1	24	5			8	0			0	0		0	0	0	0		0	19 8	50
u20460687	3		10	1	35	5		0	0	0		0	0	1	2	0	0	0	0		4	4	59
u20465026	3		10	1	35	4			10	6			5	1	2	0	2	2	1	1	9	30	83
u20466570	1	<u> </u>	0		0		Ť		0		† <u> </u>		0	<u> </u>	-						0	0	0
u20468203	3	4	10	1	35	5	4	4	8	ε	5 0	5	5	1	2	0	2	2	0	1	8	27	80
u20469366	3	0	6	1	31	4	4	4	8	ϵ	5 5	5	10	1	2	0	2	2	0	1	8	32	78
u20471582	3		6	1	31	4			8	ϵ			0	1	2	0	2	2	0		8	22	71
u20473509	3	4	10	1	35	4	4	4	8	C	0	0	0	1	2	0	2	2	0	1	8	16	66
u20477181			0		0				0				0								0	0	0
u20478144	3		3	1	28	4		0	0	C		0	0	0	0	0	0	0	0		0	0	44
u20479884	3		10	1	35	4		4	8	6		5	10	1	2	0	2	2	1	1	9	33	86 65
u20481218 u20486783	3		10	1	35 35	4			8	0			0	1	0	0	0	2	0		7	15 12	65 65
u20486783 u20491141	3		10 10	1	35	4		0	8	6			5 8	1	2	0	1	0 1	1	0	7	29	86
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	Ĭ,	nde ete		of the	بـ	i fi	er s	ie s into		the	So ies,	e s		late ghte	y the P	o dy d	ntc .	urtc	jati	تق ر			Σ
	SoldierFactory hierarchy	pe	Total	Correctly identified and Factory Method	TOTAL	Clone function added to the Zombies class	Soldier store usin Memento pattern	Zombie store using the Memento pattem	Total	Save the created soldiers	Forn Soldiers a Zombies, runs t simulation n*n t	Publish each simulation's results	Total	Template Method Pattern highlighted	Factory Method Pattem correctly depicted with the factory method highlighted	clone operation of "part" Prototype visisble - it should be at least virtual	Memento for Soldiers	Memento for Zombies	Associations shown	Generalisation correctly shown	Total	TOTAL	FINAL MARK
Student#	So	Dependency between ConcreteCreators and ConcreteProduct		S E		ğ		Zo Me			Fo Zo sin						ž	Ψ	As	g e			
u20493836	3	4	10	0		5	5	5	10	6	5	5	10	0	2	1	2	2	1	1	9	35	84
u20494166	0		0	0		5		3	6	0		0	0	0	0	0		0	0	0	0	6	47
u20494654	3		10	1		0		0	0	0			0	1	0	0		0	0		2	2	52
u20498510 u20502126	3		10	1	35	5		4	8	6			5	1	2	0		2	1 1	1	9	28	84 65
	3	_	10	0		5		4	8	0			0		2					_		17	51
u20504552 u20506237	3		10 0	0	35 0	0		0	0	0			0	0	0	0	_	0	0		0	0	0
u20506257 u20507102	3		10	0		5		5	10	6			0	0		1	2	2	1	1	9	25	80
u20513667	0		3	1	28	5		5	10	6			10	1	2	1		2	1		10	36	85
u20519507	0		0	1	25	5			10	6			0	1	2	1	2	2	1	1	10	26	72
u20522623	0		0	0		5			10	6		5	10	0	2	1	2	2	1	1	9	35	79
u20528036	3	4	10	1	31	5		5	10	5	0	5	5	1	2	1	2	2	1	1	10	30	81
u20528834	3	4	10	1	31	5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	88
u20529440	3	0	3	1	24	5	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	5	49
u20532581	3	0	6	1	31	5		5	10	6			10	0	2	0		2	0	0	6	32	84
u20534541	3		10	1		5		5	10	6			8	1	2	1	2	2	1	1	10	34	88
u20536951	3		6	1	27	5		5	10	6		5	10	1	2	1	2	2	1	1	10	36	84
u20538945	3		6	1		5		0	0	0		0	0	1	2	1		2	1	1	10	10	62
u20554240	3		10	1	35	5		5	10	5		5	10	0	2	1	2	2	1	1	9	34	90
u20556455 u20557622	3	4	10	1		5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	91 0
u20557622 u20573783		-	0		0				0	-	-		0								0	0	0
u20575785	3	4	10	1	31	5	5	5	10	6	5	3	8	1	2	1	2	2	1	1	10	34	86
u20578688	0		0	0	_	0		0	0	0			0	0		0		0	0	0	0	0	40
u20570008	3	0	6	1	31	5		5	10	6		0	0	1	1	1	1	1	0		5	21	73
u20586737	 	├	0	†	0		⊢		0	<u> </u>	├	ı i	0	 	<u>'</u>	· ·				 	0	0	0
u20592061	3	0	6	1	31	5	5	5	10	6	5	5	10	0	2	0	2	2	0	0	6	32	84
u20612894			0		0				0				0		_		_				0	0	0
u20632429	3	4	10	1	35	5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	92
u20646284	3	4	10	1	35	5	3	3	6	3	0	0	0	0	0	0	0	0	0	0	0	9	65
u20660652	3	4	10	1	31	5	5	5	10	6	3	5	8	1	2	1	2	2	1	1	10	34	86
u20662302	3		10	1	31	5		5	10	6		5	10	1	2	1	2	2	1	1	10	36	88
u20692286	3	4	10	0		5		5	10	4		5	10	1	2	1		2	1	1	10	34	88
u20734621	3		10	1	35	5		5	10	6			10	1	2	1	2	2	1	1	10	36	92
u20780479	3	4	10	0	33	5	5	5	10	6	5	5	10	1	2	1	2	2	1	1	10	36	88