

## Salvo Test Bed

### ShipTypes

Number	Type	Length
1	Carrier	5
1	Battleship	4
1	Submarine	3
1	Destroyer	3
1	Patrol Boat	2

### Players

Name	Email	Password
Jack Bauer	j.bauer@ctu.gov	24
Chloe O'Brian	c.obrian@ctu.gov	42
Kim Bauer	kim_bauer@gmail.com	kb
Tony Almeida	t.almeida@ctu.gov	mole

### Games

Testing note: make each game start one hour later than the one before and finish half an hour after it starts

Game #	Player 1 (creator)	Player 2	Winner (if any)
1	j.bauer gp1	c.obrian gp2	Player 1
2	j.bauer gp3	c.obrian gp4	Tie
3	c.obrian gp5	t.almeida gp6	Player 1
4	c.obrian gp7	j.bauer gp8	Tie
5	t.almeida gp9	j.bauer gp10	N/A
6	kim_bauer gp11	N/A	N/A
7	t.almeida gp12	N/A	N/A
8	kim_bauer gp13	t.almeida gp14	N/A

### Ship Locations

Game #	Player	Ship Type	Locations
1gp1	j.bauer	Destroyer	H2, H3, H4

1gp1	j.bauer	Submarine	E1, F1, G1
1gp1	j.bauer	Patrol Boat	B4, B5
1gp2	c.obrian	Destroyer	B5, C5, D5
1gp2	c.obrian	Patrol Boat	F1, F2
2gp3	j.bauer	Destroyer	B5, C5, D5
2gp3	j.bauer	Patrol Boat	C6, C7
2gp4	c.obrian	Submarine	A2, A3, A4
2gp4	c.obrian	Patrol Boat	G6, H6
3gp5	c.obrian	Destroyer	B5, C5, D5
3gp5	c.obrian	Patrol Boat	C6, C7
3gp6	t.almeida	Submarine	A2, A3, A4
3gp6	t.almeida	Patrol Boat	G6, H6
4gp7	c.obrian	Destroyer	B5, C5, D5
4gp7	c.obrian	Patrol Boat	C6, C7
4gp8	j.bauer	Submarine	A2, A3, A4
4gp8	j.bauer	Patrol Boat	G6, H6
5gp9	t.almeida	Destroyer	B5, C5, D5
5gp9	t.almeida	Patrol Boat	C6, C7
5gp10	j.bauer	Submarine	A2, A3, A4
5gp10	j.bauer	Patrol Boat	G6, H6
6gp11	kim_bauer	Destroyer	B5, C5, D5
6gp11	kim_bauer	Patrol Boat	C6, C7
8gp13	kim_bauer	Destroyer	B5, C5, D5
8gp13	kim_bauer	Patrol Boat	C6, C7
8gp14	t.almeida	Submarine	A2, A3, A4
8gp14	t.almeida	Patrol Boat	G6, H6

## Salvoes

Game #	Turn	Player	Locations	Player	Locations
1	1	j.bauer gp1	B5, C5, F1	c.obrian gp2	B4, B5, B6
1	2	j.bauer gp1	F2, D5	c.obrian gp2	E1, H3, A2
2	1	j.bauer gp3	A2, A4, G6	c.obrian gp4	B5, D5, C7
2	2	j.bauer gp3	A3, H6	c.obrian gp4	C5, C6
3	1	c.obrian gp5	G6, H6, A4	t.almeidagp6	H1, H2, H3
3	2	c.obrian gp5	A2, A3, D8	t.almeidagp6	E1, F2, G3
4	1	c.obrian gp7	A3, A4, F7	j.bauer gp8	B5, C6, H1
4	2	c.obrian gp7	A2, G6, H6	j.bauer gp8	C5, C7, D5
5	1	t.almeida	A1, A2, A3 gp9	j.bauer gp10	B5, B6, C7
5	2	t.almeida	G6, G7, G8 gp9	j.bauer gp10	C6, D6, E6
5	3			j.bauer gp10	H1, H8

## Game States

Game #	Player	Game State	Turn
1 gp1	j.bauer	Over	3
1 gp2	c.obrian	Over	3
2 gp3	j.bauer	Over	3
2	c.obrian	Over	3
3	c.obrian	Over	3
3	t.almeida	Over	3
4	c.obrian	Over	3
4	j.bauer	Over	3
5	t.almeida	Enter Salvo	3
5	j.bauer	Wait	3
6	kim_bauer	Wait	0
7	t.almeida	Place Ships	0
8	kim_bauer	Enter Salvo	1
8	t.almeida	Enter Salvo	1

## Test Scenarios

### Happy Path

Jack's screen and game state	Kim's screen and game state
List of games	Ship grid with ships. Wait for other player to join
Jack joins game #6	
Ship grid – ready to place ships	Ship grid with ships. Wait for other player to place ships
Jack places ships: Destroyer at A2, A3, A4, Patrol boat at G6, H6	
Salvo grid – ready to enter salvo	Salvo grid – ready to enter salvo
Jack enters salvo: B5, B6, C7	
Wait for other player to enter salvo	Salvo grid – ready to enter salvo
Kim enters salvo: A1, A2, A3	
Results of first turn <ul style="list-style-type: none"> <li>- On Jack: 3 hits</li> <li>- On Kim: 2 hits</li> </ul>	Results of first turn <ul style="list-style-type: none"> <li>- On Jack: 3 hits</li> <li>- On Kim: 2 hits</li> </ul>
Salvo grid – ready to enter salvo	Salvo grid – ready to enter salvo
Kim enters salvo: G6, G7, G8	
Jack enters salvo: C6, D6, E6	
Added results of second turn <ul style="list-style-type: none"> <li>- On Jack: 1 hit</li> </ul>	Added results of second turn <ul style="list-style-type: none"> <li>- On Jack: 1 hit</li> </ul>

- On Kim: 1 hit, Patrol boat sunk Salvo grid – ready to enter salvo	- On Kim: 1 hit, Patrol boat sunk Salvo grid – ready to enter salvo
Jack enters salvo: H1, H8	
Kim enters salvo: A4, H6, H7	
Added results of third turn - On Jack: 2 hits, destroyer and patrol boat sunk - On Kim: no hits Game over – Kim won	Added results of third turn - On Jack: 2 hits, destroyer and patrol boat sunk - On Kim: no hits Game over – Kim won
Jack and Kim return to games page	
List of games, game 6 marked done Leaderboard has additional point for Kim	List of games, game 6 marked done Leaderboard has additional point for Kim