

# CUSTOMER SUCCESS STORY: SIMULATION TRAINING

## MID-SIZE TECHNOLOGY ORGANIZATION

### Drivers: Improve Security of Customer-Facing Web Applications

A few of their developers participated in Security Innovation's public CMD+CTRL Cyber Range event, leading to interest in a broader, internal event at company headquarters. After a successful pilot, quarterly events are now run.

### Approach: Continually Build Skills With Fun, Recurring Hands-On Hacking Events

**Pilot:** 1-day cyber range challenge for 25 players, supported by Security Innovation Instructor

**Quarterly Events:** based on strong engagement and player feedback, commitment was made for quarterly events. Different ranges used for varying roles and skill levels.



**Shadow Bank** – banking website that has a variety of easy and intermediate challenges: cross-site scripting, password cracking, authorization bypass, business logic abuse, and others. Was used in the first of the quarterly events and repeated again in the third event, targeting a new audience of software security stakeholders.



**Gold Standard** – advanced banking website that builds upon the challenges in Shadow Bank. Vulnerabilities include poorly implemented defenses, making exploitation more difficult.



**Shred** – eCommerce website for all abilities that offers different challenges like weak cryptography, parameter tampering, and others.

“Well organized, good mix of easy and hard exploits.”

— PARTICIPANT

“If I can see how attackers might penetrate my applications, I can better prepare and secure them.”

— PARTICIPANT

### Result: Engaged Employees Prepared to Defend the Enterprise

- Each event draws 20-30 employees who all score a minimum of 500 points
- Time is budgeted as training hours and employees are encouraged to participate by management
- High-scoring players are awarded prizes such as company promotional items
- Notable results like first-time participants or most improved scores are highlighted in company newsletter