# Homework: Contract Security

## Initial Crowd Offering

* Make an ICO contract
* Use whichever structure or methods you prefer
* There is a presale stage where the token costs 1ETH each
* Later, during the ICO stage the token becomes 2ETH
* After presale + ICO, the token is no-longer sold and can be transferred
* **Avoid any anti-pattern**, both in security and optimization
* Have unit tests for every major action!
* Protection against reentrancy
* Use checks-effects-interactions pattern
* Bonus if it raises at least 3M$ within the first ~15 seconds
  + Double bonus if you run away with the money