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| Refactoring Documentation for Project “BattleField-1” Team “Strontium”   1. Redesigned the project structure:    * Renamed the project to **BattleField**.    * Renamed the class **Methods** to **GameEngine**.    * Renamed the default namespace and assembly name to **BattleField**    * Created class **Board** that holds the method for creating the game board with all mines and empty cells.    * Moved method **ReadInput()** from the **Main()** method to class **GameEngine.** Renamed **ReadInput()** to **ReadBoardSize()**    * Created class **ExplosionHandler** that holds the methods for detecting and handling with explosions of mines.    * Created method **HitMine** in class **ExplosionHandler** which handles the hit mine coordinaties and detects hit mine size. 2. Reformatted the source code:    * Run StyleCop and reformatted the source code according to the recommendations. There were 77 recommendations that were fixed.    * Refactored all **HitMineOfSizeXXX** methods, according to the new logic for building the game board.    * Refactored method **PlayerTurn**: joined repeating parts of the code into one.    * Moved initialization of **turnsCounter** from **Main** method into **GameEngine**. 3. Renamed variables:    * In class **Methods**: **workField** 🡪 **gameBoard**.    * In class **ExplosionHandler**: **hitCoordinate** 🡪 **mineSize**    * In method **Main** and class **GameEngine**: **countPlayed** 🡪 **turnsCounter**    * In method **PlayerTurn** (class **GameEngine)**: **coordinates** 🡪 **mineCoordinates** 4. Renamed methods  * In class **Methods**: **HitOne, HitTwo, HitThree, HitFour, HitFive** 🡪 **HitMineOfSizeOne, HitMineOfSizeTwo, etc.** * In class **GameEngine** renamed method **PlayerTurn** to **PlayGame**. |