

# [SPOILERS] Practice Problems for Section 7 -- Solutions

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**Pavel Lepin** COMMUNITY TA · 18 days ago 🔒

```
## Sample solution for Guess The Word practice problem (section 7)
```

```
## Targets 1.9.3
```

```
require_relative '../section-7-provided'
```

```
class ExtendedGuessTheWordGame < GuessTheWordGame
```

```
  ## YOUR CODE HERE
```

```
  # There's not much that we can (or want) to change here without changing the base class.
end
```

```
class ExtendedSecretWord < SecretWord
```

```
  ## YOUR CODE HERE
```

```
  def initialize word
```

```
    super word
```

```
    @lc_word = word.downcase
```

```
    self.pattern = ""
```

```
    self.word.each_char do |c|
```

```
      self.pattern += is_a_letter?(c) ? '-' : c
```

```
    end
```

```
    @guessed = ''
```

```
  end
```

```
  def valid_guess? guess
```

```
    g = guess.downcase
```

```
    super(g) && is_a_letter?(g) && !(@guessed.index g)
```

```
  end
```

```

def guess_letter! letter
  found_dc = super(letter.downcase)
  found_uc = super(letter.upcase)
  @guessed += letter.downcase
  found_dc || found_uc
end

private

def is_a_letter? letter
  letter =~ /[[:alpha:]]/
end
end

## Change to `false` to run the original game
if true
  ExtendedGuessTheWordGame.new(ExtendedSecretWord).play
else
  GuessTheWordGame.new(SecretWord).play
end

```

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