



Chapter 1: Basic Aggregation - \$match and \$project  
Lab - Computing Fields



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```
db.movies.aggregate([
  {
    $match: {
      title: {
        $type: "string"
      }
    }
  },
  {
    $project: {
      title: { $split: ["$title", " "] },
      _id: 0
    }
  },
  {
    $match: {
      title: { $size: 1 }
    }
  }
]).itcount()
```

We begin with a **\$match** stage, ensuring that we only allow movies where the **title** is a string

```
db.movies.aggregate([
  {
    $match: {
      title: {
        $type: "string"
      }
    }
  },
```

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Next is our **\$project** stage, splitting the title on spaces. This creates an array of strings

```
{
  $project: {
    title: { $split: ["$title", " "] },
    _id: 0
  }
},
```

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We use another **\$match** stage to filter down to documents that only have one element in the newly computed **title** field, and use **itcount()** to get a count

```
{
  $match: {
    title: { $size: 1 }
  }
}
]).itcount()
```

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