**List of possible queries and their variations**

|  |  |
| --- | --- |
| Query | Requirements |
| The incoming query is the same as a previous query | Same requirements |
| Requirements more restrict |
| Requirements less restrict |
| Part of the requirements more restrict and part of the requirements less restrict |
| Part of the requirements more restrict and part of the requirements different |
| Part of the requirements less restrict and part of the requirements different |
| Requirements completely different |
| The incoming query is a subset of a previous query | Same requirements |
| Requirements more restrict |
| Requirements less restrict |
| Part of the requirements more restrict and part of the requirements less restrict |
| Part of the requirements more restrict and part of the requirements different |
| Part of the requirements less restrict and part of the requirements different |
| Requirements completely different |
| The previous query is a subset of the incoming query | Same requirements |
| Requirements more restrict |
| Requirements less restrict |
| Part of the requirements more restrict and part of the requirements less restrict |
| Part of the requirements more restrict and part of the requirements different |
| Part of the requirements less restrict and part of the requirements different |
| Requirements completely different |
| Different queries but the incoming query has some abstract services in common with the previous query | Same requirements |
| Requirements more restrict |
| Requirements less restrict |
| Part of the requirements more restrict and part of the requirements less restrict |
| Part of the requirements more restrict and part of the requirements different |
| Part of the requirements less restrict and part of the requirements different |
| Requirements completely different |
| Different queries | Same requirements |
| Requirements more restrict |
| Requirements less restrict |
| Part of the requirements more restrict and part of the requirements less restrict |
| Part of the requirements more restrict and part of the requirements different |
| Part of the requirements less restrict and part of the requirements different |
| Requirements completely different |