|  |  |  |  |
| --- | --- | --- | --- |
| Nouns | | | |
| Sudoku | Puzzle | Grid | Number |
| Number | Column | Row | Sudoku |
| Cell | Grid | Player | Sudoku |
| Puzzle | Game | Assessment | Sudoku |
| Puzzle Generator | Puzzle | Category | Sudoku Puzzle |
| Sudoku Puzzle | Sudoku Puzzle | Sudoku Puzzle | Player |
| Puzzle | Game Mode | Solution | Puzzle |
| Game | Number | Grid | Player |
| Account | Sudoku Puzzle | Account | Progress |
| Player | Progress | Puzzle | Application |
| State | Player | Percentage | Puzzle |
| Percentage | Puzzle | Difficulty Level | Time |
| Difficulty Category | Mistake | Puzzle | Software |
| Functionality | Sudoku Puzzle | Difficulty Level | Number |
| Element | Sudoku | Sudoku | UI |
| Sudoku Puzzle | User | System | Progress |
| Sudoku | Player | Statistics | Player Performance |
| Solution | Solution |  |  |

Step 1 Listing out all nouns from the scenario

|  |  |  |  |
| --- | --- | --- | --- |
| Unique nouns | | | |
| Sudoku | Puzzle | Grid | Number |
| Column | Row | Cell | Player |
| Game | Assessment | Puzzle Generator | Category |
| Sudoku Puzzle | Game Mode | Solution | Account |
| Progress | Application | Stat | Percentage |
| Difficulty Level | Time | Difficulty Category | Mistake |
| Software | Functionality | Element | UI |
| User | System | Statistics | Player Performance |

Step 2 Identifying unique nouns among all

|  |  |  |  |
| --- | --- | --- | --- |
| Abstracting Synonyms | | | |
| **Sudoku**  Puzzle  Game  Sudoku Puzzle  Puzzle Generator | **Cell**  Number  Element | **Assessment**  Solution  Functionality  Application  Software  System | **Category**  Difficult Category |
| **Game Mode**  Difficulty Level | **Player Performance**  Statistics | **Player**  User | **Account** |
| **Mistake** | **UI** | **Progress**  Percentage  Time  Stat | **Grid**  Row  Column |

Step 3 Abstract synonyms from the list

|  |  |  |  |
| --- | --- | --- | --- |
| Abstracting Irrelevant Nouns | | | |
| Mistake | Account | Assessment | UI |

Step 4 Abstracting irrelevant nouns from the list

|  |  |  |  |
| --- | --- | --- | --- |
| Candidate Classes | | | |
| Sudoku | Cell | Category | Game Mode |
| Player Performance | Player | Progress | Grid |

Step 5 Listing out candidate classes

|  |  |  |  |
| --- | --- | --- | --- |
| Verbs | | | |
| Define | Place | Use | Start |
| Fill | Work | Fill | Starting |
| Look | Create | Ensure | Generate |
| Generate | Present | Fill | Support |
| Complete | Submit | Aid | Check |
| Find | Permit | Create | Generate |
| Link | Make | Return | Save |
| Attempt | Produce | Include | Complete |
| Complete | Create | Permit | Allow |
| Generate | Validate | Ensure | Solve |
| Provide | Complete | Generate | Permit |
| Add | Generate | Remove | Regard |
| Enter | Aid |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Unique Verbs | | | |
| Define | Place | Use | Start |
| Fill | Work | Look | Create |
| Ensure | Generate | Present | Support |
| Complete | Submit | Aid | Check |
| Find | Permit | Link | Make |
| Return | Save | Attempt | Produce |
| Include | Allow | Validate | Solve |
| Provide | Add | Remove | Regard |
| Enter |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Abstracting Synonyms | | | |
| **Define** | **Place** | **Use** | **Generate**  Start  Produce |
| **Look**  Find | **Solve**  Complete  Work  Attempt  Fill | **Validate**  Check  Ensure  Submit | **Create**  Make |
| **Present**  Provide | **Support** | **Save** | **Link** |
| **Return** | **Include** | **Permit**  Allow | **Add** |
| **Remove** | **Regard** | **Enter** | **Aid** |

|  |  |  |  |
| --- | --- | --- | --- |
| Abstracting Irrelevant Verbs | | | |
| Define | Place | Use | Look |
| Present | Support | Link | Include |
| Permit | Add | Remove | Regard |
| Enter | Aid |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Candidate Verbs | | | |
| Generate | Solve | Validate | Create |
| Save | Return |  |  |