

CSSE413-02
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Structure of `search.py` and `searchAgents.py`

`searchAgents.py`

List of Classes:

- `GoWestAgent`
- `SearchAgent`
- `PositionSearchProblem`
- `StayEastSearchAgent`
- `StayWestSearchAgent`
- `CornersProblem`
- `AstarCornersAgent`
- `FoodSearchProblem`
- `AstarFoodSearchAgent`
- `ClosestDotSearchAgent`
- `AnyFoodSearchProblem`
- `ApproximateSearchAgent`

Procedures

- `manhattanHeuristic`
- `euclideanHeuristic`
- `cornersHeuristic`
- `foodHeuristic`
- `mazeDistance`

`search.py`

List of classes:

- `SearchProblem`

Procedures

- `tinyMazeSearch`
- `depthFirstSearch`
- `breadthFirstSearch`
- `uniformCostSearch`
- `nullHeuristic`
- `aStarSearch`

Class Hierarchy Diagram

All rectangles are classes. Blue rectangles correspond to classes not in either `search.py` or `searchAgent.py`. Black rectangles correspond to classes in `searchAgent.py`. Red rectangles correspond to classes in `search.py`. Arrows indicate inheritance.

