

## Formato de escenarios y casos de uso

### London Underground Application:

#### Configuración de los Escenarios

| Nombre      | Clase     | Escenario   |
|-------------|-----------|---|
| setUpStage1 | TestGraph | The application with all stations and connections loaded. |

#### Diseño de Casos de Prueba

| Clase                       | Método             | Escenario     | Valores de Entrada                             | Resultado   |
|-----------------------------|--------------------|---------------|--|---|
| LondonUndergroundController | findFastestRoute() | setUpStage1() | from = "BUCKHURST HILL"<br>to = "LEYTONSTONE"  | Path p = {"BUCKHURST HILL",<br>"WOODFORD",<br>"SOUTH WOODFORD",<br>"SNARESBROOK",<br>"LEYTONSTONE"}<br><br>with travel time of 9.86 min   |
| LondonUndergroundController | findFastestRoute() | setUpStage1() | from = "WATERLOO"<br>to = "WARREN STREET"      | Path p = {"WATERLOO",<br>"WESTMINSTER",<br>"GREEN PARK",<br>"OXFORD CIRCUS",<br>"WARREN STREET"}<br><br>with travel time of 8.08 min  |
| LondonUndergroundController | findFastestRoute() | setUpStage1() | from = "OLD STREET"<br>to = "WEST KENSINGTON"  | Path p = {"OLD STREET",<br>"MOORGATE",<br>"BANK",<br>"WATERLOO",<br>"WESTMINSTER",<br>"ST JAMES PARK",<br>"VICTORIA",<br>"SLOANE SQUARE",<br>"SOUTH KENSINGTON",<br>"GLOUCESTER ROAD",<br>"EARLS COURT",<br>"WEST KENSINGTON"}<br><br>with travel time of 24.87 min |
| LondonUndergroundController | findFastestRoute() | setUpStage1() | from = "CAMDEN TOWN"<br>to = "WEST KENSINGTON" | Path p = {"CAMDEN TOWN",<br>"MORNINGTON CRESCENT",<br>"EUSTON (CX)",<br>"WARREN STREET",<br>"OXFORD CIRCUS",<br>"GREEN PARK",<br>"HYDE PARK CORNER",  |

|                             |                    |               |  |  |
|-----------------------------|--------------------|---------------|--|--|
|                             |                    |               |  | <p>"KNIGHTSBRIDGE",<br/>"SOUTH KENSINGTON",<br/>"GLOUCESTER ROAD",<br/>"EARLS COURT",<br/>"WEST KENSINGTON"}</p> <p>with travel time of 22.66 min</p>  |
| LondonUndergroundController | findFastestRoute() | setUpStage1() | from = "WARWICK AVENUE"<br>to = "TEMPLE" | <p>Path p = {"WARWICK AVENUE",<br/>"PADDINGTON",<br/>"EDGWARE ROAD",<br/>"MARYLEBONE",<br/>"BAKER STREET",<br/>"REGENTS PARK",<br/>"OXFORD CIRCUS",<br/>"PICCADILLY CIRCUS",<br/>"CHARING CROSS",<br/>"EMBANKMENT",<br/>"TEMPLE"}</p> <p>with travel time of 17.48 min</p> |

| Clase                       | Método              | Escenario     | Valores de Entrada                            | Resultado   |
|-----------------------------|---------------------|---------------|---|---|
| LondonUndergroundController | findShortestRoute() | setUpStage1() | from = "BUCKHURST HILL"<br>to = "LEYTONSTONE" | <p>Path p = {"BUCKHURST HILL",<br/>"WOODFORD",<br/>"SOUTH WOODFORD",<br/>"SNARESBROOK",<br/>"LEYTONSTONE"}</p> <p>with number of stations 5</p>   |
| LondonUndergroundController | findShortestRoute() | setUpStage1() | from = "WATERLOO"<br>to = "WARREN STREET"     | <p>Path p = {"WATERLOO",<br/>"WESTMINSTER",<br/>"GREEN PARK",<br/>"OXFORD CIRCUS",<br/>"WARREN STREET"}</p> <p>with number of stations 5</p>  |
| LondonUndergroundController | findShortestRoute() | setUpStage1() | from = "OLD STREET"<br>to = "WEST KENSINGTON" | <p>Path p = {"OLD STREET",<br/>"MOORGATE",<br/>"BANK",<br/>"WATERLOO",<br/>"WESTMINSTER",<br/>"GREEN PARK",<br/>"VICTORIA",<br/>"SLOANE SQUARE",<br/>"SOUTH KENSINGTON",<br/>"GLOUCESTER ROAD",<br/>"EARLS COURT",<br/>"WEST KENSINGTON"}</p> <p>with number of stations 12</p> |

|                             |                     |               |  |   |
|-----------------------------|---------------------|---------------|--|---|
| LondonUndergroundController | findShortestRoute() | setUpStage1() | from = "CAMDEN TOWN"<br>to = "WEST KENSINGTON" | Path p = {"CAMDEN TOWN",<br>"MORNINGTON CRESCENT",<br>"EUSTON (CX)",<br>"WARREN STREET",<br>"OXFORD CIRCUS",<br>"GREEN PARK",<br>"HYDE PARK CORNER",<br>"KNIGHTSBRIDGE",<br>"SOUTH KENSINGTON",<br>"GLOUCESTER ROAD",<br>"EARLS COURT",<br>"WEST KENSINGTON"}<br><br>with number of stations 12 |
| LondonUndergroundController | findShortestRoute() | setUpStage1() | from = "WARWICK AVENUE"<br>to = "TEMPLE"       | Path p = {"WARWICK AVENUE",<br>"PADDINGTON",<br>"EDGWARE ROAD",<br>"MARYLEBONE",<br>"BAKER STREET",<br>"BOND STREET",<br>"GREEN PARK",<br>"WESTMINSTER",<br>"EMBANKMENT",<br>"TEMPLE"}<br><br>with number of stations 10  |