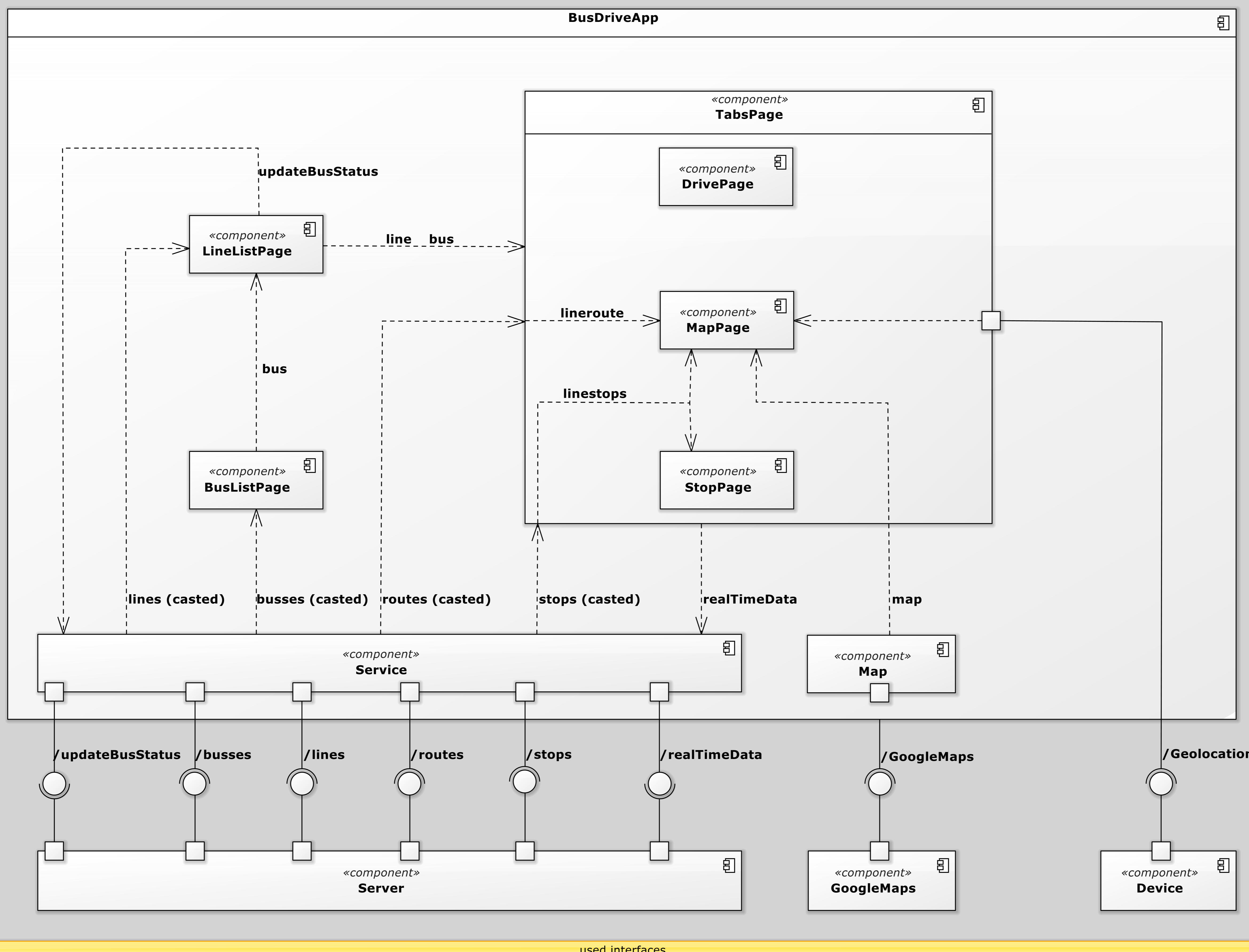


Component Diagram



used interfaces

```

./busses
{
  "busses": [
    {
      "id": number,
      "numberPlate": "string",
      "color": "string",
      "picture": "string"
    }
  ],
  "timeStamp": number
}
/bus is one item of /busses
  
```

```

./lines
{
  "lines": [
    {
      "id": number,
      "name": "string",
      "route_id": number,
      "busses": [number, number, ...]
    }
  ],
  "timeStamp": number
}
/line is one item of /lines
  
```

```

./stops
{
  "stops": [
    {
      "id": number,
      "name": "string"
    },
    "lines": [{"id": number}],
    "location": {
      "latitude": number,
      "longitude": number
    },
    "schedule": [
      {
        "lineName": "string",
        "lineId": number,
        "arrivingTime": "date-time"
      }
    ]
  ],
  "timeStamp": number
}
/route is one item of /routes
  
```

```

./routes
{
  "routes": [
    {
      "id": number,
      "route": {
        "geometry": {
          "type": "LineString",
          "coordinates": [
            {
              "latitude": number,
              "longitude": number
            }
          ]
        }
      }
    }
  ],
  "timeStamp": number
}
/route is one item of /routes
  
```

```

./realTimeData
{
  "bus_id": number,
  "position": {
    "longitude": number,
    "latitude": number
  },
  "timeStamp": number
}
  
```

```

./updateBusStatus
{
  "line_id": number,
  "bus_id": number,
  "driving": 1
}
  
```

System Functions to Components Traceability

System Functions	Component	Called Function
#SF_B0: Request Data	Service	getBuslist()
	Service	getLinelist()
	Service	getStops()
	Service	getRoutes()
#SF_B1: Select Bus	BusListPage	navigate(bus)
#SF_B2: Select Busline	LineListPage	navigate(line)
#SF_B3: Send data to server	Service	sendRealTimeData(...) updateBusStatus(...)
#SF_B4: Add/Remove available seats one the bus	DrivePage	increase(), decrease()
#SF_B5: Receive stop request	-	-
#SF_B6: Show map of current position	MapPage	
#SF_B7: Show the stops	MapPage	
	StopPage	

Author: Mher Ter-Tovmasyan
Status: Incomplete
Reviewer:
Review status:

Pages	Home
	Buslist
	Linelist
	Drive
	Map
	Stops
Components	Map
	Service