**Scenarios:** view the attendance reports

**Use case:** View Reports

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| **Class:** Report | |
| **Responsibilities:** | **Collaborators:** |
| Manage general attributes of the reports | StartDate, EndDate |
| Manage active report | AbstractReport |

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| **Class:** AbstractReport (extends AbstractTableModel) | |
| **Responsibilities:** | **Collaborators:** |
| Manage attributes of the report | Report, CreationTime |
| Generate the report | (unknown due to polymorphism) |

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| **Class:** ReportVisits (extends AbstractReport) | |
| **Responsibilities:** | **Collaborators:** |
| Manage attributes of the report | Report, CreationTime |
| Return the list of customers’ visits | Visit |

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| **Class:** ReportCustomers (extends AbstractReport) | |
| **Responsibilities:** | **Collaborators:** |
| Manage attributes of the report | Report, CreationTime |
| Calculate statistics on customers based on their visits | Visit |
| Return statistics on customers’ visits | CustomerStatistics |

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| **Class:** CustomerStatistics | |
| **Responsibilities:** | **Collaborators:** |
| Keep aggregated info about customer’s visits | Swimmer, Visit |

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| **Class:** PeriodStatistics | |
| **Responsibilities:** | **Collaborators:** |
| Keep aggregated info about period | Visit |

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| **Class:** ReportPeriods (extends AbstractReport) | |
| **Responsibilities:** | **Collaborators:** |
| Manage attributes of the report | Report, CreationTime |
| Calculate statistics for periods based on the visits | Visit |
| Return statistics about the period | PeriodStatistics |

**Common classes** (used in other scenarios and use-cases):

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| **Class:** Swimmer | |
| **Responsibilities:** | **Collaborators:** |
| Manage Swimmer’s contact details | Household |
| Manage permissions | Skill |
| Manage status | Status |

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| **Class:** Household | |
| **Responsibilities:** | **Collaborators:** |
| Manage household contact details | Swimmer |
| Manage household members | Swimmer |
| Manage status | Status |

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| **Class:** Employee | |
| **Responsibilities:** | **Collaborators:** |
| Manage operator’s personal info (name, password, etc.) | none |
| Manage employee’s role | Role |

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| **Class:** Visit | |
| **Responsibilities:** | **Collaborators:** |
| Log a customer’s visit | Swimmer, CheckInTime, CheckOutTime, Operator |
| Keep info about incidents | Employee, Swimmer |