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| Contract 进入： | |
| Operation： | makeNewVisitor(): |
| Cross references | Use Cases:处理风险信息 |
| Preconditions： | 无 |
| Postconditions： | 创建Visitor实例V  V被关联到VisitorDatabase；  V的属性被初始化 |

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| Contract choose： | |
| Operation： | choose（category：integer） |
| Cross references | 用例：统计分析 |
| Preconditions： | 正在进行选择 |
| Postconditions： | 创建了choose的实例c。（创建实例）  ·c与被关联到当前的v。（形成关联）  ·c.category赋值为category。（修改属性） |

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| Contract查看： | |
| Operation： | 查看 |
| Cross references | 用例：统计分析 |
| Preconditions： | 用户已经完成每日上报 |
| Postconditions： | 用户了解了自己的健康信息 |

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| --- | --- |
| Contract查看/更改： | |
| Operation： | 查看/更改 |
| Cross references | 用例：统计分析 |
| Preconditions： | 用户已经完成每日上报 |
| Postconditions： | •有用户出入高风险地区  •管理员更改数据并对该用户进行风险提示  •用户收到风险提示 |

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| Contract Risk Alert: Information feedback | |
| Operation： | feedback (userID: userID, info: string) |
| Cross references | Use Cases: Info Return |
| Preconditions： | Risk information is required by User/Server |
| Postconditions： | -A feedback instance info was created ( instance creation )  -info was associate with current information retrieved from databases.  -info was generated after user choose to use data manage service and the server return such information.  -info can also be actively sent by the server if user want to use sms to get present info. |

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| Contract 预警： | |
| Operation： | judgeWarning(): |
| Cross references | Use Cases:返回预警信息 |
| Preconditions： | 管理员选择风险预警服务 |
| Postconditions： | 基于Visitor Database的匹配修改v.isDanger；（修改属性）  根据isDanger返回风险信息 |