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| Historical data |
| #id: int  #name: string  #date: date  #description: string |
| \*Constructor(id: int, name: string, date: date, description: string)  \*getId(): int  \*getName(): string  \*getDate(): date  \*getDescription(): string  \*setName(name: string): void  \*setDate(date: date): void  \*setDescription(description: string): void |

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| Sensor |
| ^id: int  ^name: string  ^type: string  ^location: string  ^status: string |
| #Constructor(id: int, name: string, type: string, location: string, status: string)  #getId(): int  #getName(): string  #getType(): string  #getLocation(): string  #getStatus(): string  #setName(name: string): void  #setType(type: string): void  #setLocation(location: string): void  #setStatus(status: string): void |

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| Alert |
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| id: int  sensorId: int  timestamp: datetime  severity: string  description: string |
| Constructor(id: int, sensorId: int, timestamp: datetime, severity: string, description: string)  getId(): int  getSensorId(): int  getTimestamp(): datetime  getSeverity(): string  getDescription(): string  setSensorId(sensorId: int): void  setTimestamp(timestamp: datetime): void  setSeverity(severity: string): void  setDescription(description: string): void |

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| User preferences |
| #userId: int  #theme: string  #language: string  #timezone: string  #emailNotificationsEnabled: boolean  #pushNotificationsEnabled: boolean |
| #Constructor(userId: int, theme: string, language: string, timezone: string, emailNotificationsEnabled: boolean, pushNotificationsEnabled: boolean)  #getUserId(): int  #getTheme(): string  #getLanguage(): string  #getTimezone(): string  #isEmailNotificationsEnabled(): boolean  #setPushNotificationsEnabled(): boolean  #setTheme(theme: string): void  #setLanguage(language: string): void  #setTimezone(timezone: string): void  #setEmailNotificationsEnabled(enabled: boolean): void  #setPushNotificationsEnabled(enabled: boolean): void |

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| subscription |
| \*Class Name: Subscription  \*subscriptionId: int  \*userId: int  \*planId: int  \*startDate: date  \*endDate: date  \*status: string |
| -Constructor(subscriptionId: int, userId: int, planId: int, startDate: date, endDate: date, status: -string)  -getSubscriptionId(): int  -getUserId(): int  -getPlanId(): int  -getStartDate(): date  -getEndDate(): date  -getStatus(): string  -setUserId(userId: int): void  -setPlanId(planId: int): void  -setStartDate(startDate: date): void  -setEndDate(endDate: date): void  -setStatus(status: string): void |

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| Weather data |
| id: int  location: string  date: date  temperature: float  humidity: float  windSpeed: float  precipitation: float  description: string |
| Constructor(id: int, location: string, date: date, temperature: float, humidity: float, windSpeed: float, precipitation: float, description: string)  getId(): int  getLocation(): string  getDate(): date  getTemperature(): float  getHumidity(): float  getWindSpeed(): float  getPrecipitation(): float  getDescription(): string  setLocation(location: string): void  setDate(date: date): void  setTemperature(temperature: float): void  setHumidity(humidity: float): void  setWindSpeed(windSpeed: float): void  setPrecipitation(precipitation: float): void  setDescription(description: string): void |

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| Notifcation |
| id: int  userId: int  message: string  timestamp: datetime  status: string |
| Constructor(id: int, userId: int, message: string, timestamp: datetime, status: string)  getId(): int  getUserId(): int  getMessage(): string  getTimestamp(): datetime  getStatus(): string  setUserId(userId: int): void  setMessage(message: string): void  setTimestamp(timestamp: datetime): void  setStatus(status: string): void |

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| Location |
| id: int  name: string  latitude: float  longitude: float  description: string |
| Constructor(id: int, name: string, latitude: float, longitude: float, description: string)  getId(): int  getName(): string  getLatitude(): float  getLongitude(): float  getDescription(): string  setName(name: string): void  setLatitude(latitude: float): void  setLongitude(longitude: float): void  setDescription(description: string): void |

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| Forecast |
| id: int  locationId: int  date: date  temperature: float  humidity: float  windSpeed: float  precipitation: float  description: string |
| Constructor(id: int, locationId: int, date: date, temperature: float, humidity: float, windSpeed: float, precipitation: float, description: string)  getId(): int  getLocationId(): int  getDate(): date  getTemperature(): float  getHumidity(): float  getWindSpeed(): float  getPrecipitation(): float  getDescription(): string  setLocationId(locationId: int): void  setDate(date: date): void  setTemperature(temperature: float): void  setHumidity(humidity: float): void  setWindSpeed(windSpeed: float): void  setPrecipitation(precipitation: float): void  setDescription(description: string): void |

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| ER-Diagram |
| userId: int  username: string  email: string  password: string |
| Constructor(userId: int, username: string, email: string, password: string)  getUserId(): int  getUsername(): string  getEmail(): string  getPassword(): string  setUsername(username: string): void  setEmail(email: string): void  setPassword(password: string): void |