Author: Останин Глеб Сергеевич

Version: 1.0

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| **Движение\_продукции** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_движения** | INTEGER | Y | Auto increment |
| FK | **id\_партии** | INTEGER | Y | REFERENCE:  Партии(id\_партии) |
|  | **тип\_операции** | VARCHAR (20) | Y |  |
|  | **количество** | DECIMAL(10,2) | Y |  |
|  | **Дата\_операции** | DATETIME | Y |  |
| FK | **id\_склада\_отправителя** | INTEGER | N | REFERENCE:  Склад(id\_склада) |
| FK | **id\_склада\_получателя** | INTEGER | N | REFERENCE:  Склад(id\_склада) |
|  | **документ\_основание** | VARCHAR(100) | Y |  |
|  | **ответственный** | VARCHAR(100) | Y |  |

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| **История\_входов** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **Id\_записи** | INTEGER | Y | Auto increment |
| FK | **id\_сотрудника** | INTEGER | Y | REFERENCE:  Сотрудники(id\_сотрудника) |
|  | **дата\_входа** | DATETIME | Y |  |
|  | **ip\_адрес** | VARCHAR(50) | N |  |
|  | **устройство** | VARCHAR(100) | N |  |

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| Категории\_продукции | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **Id\_категории** | INTEGER | Y | Auto increment |
|  | **название\_категории** | VARCHAR(50) | Y |  |
|  | **описание** | TEXT | N |  |

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| **Материалы** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_материала** | INTEGER | Y | Auto increment |
|  | **наименование** | NVARCHAR(100) | Y |  |
|  | **единица\_измерения** | NVARCHAR (20) | Y |  |
|  | **текущий\_остаток** | DECIMAL(10,2) | N |  |
|  | **минимальный\_запас** | DECIMAL(10,2) | N |  |

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| **Остатки** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_остатка** | INTEGER | Y | Auto increment |
| FK | **id\_продукции** | INTEGER | Y | REFERENCE:  Продукция(ID\_продукции) |
| FK | **Id\_склада** | INTEGER | Y | REFERENCE:  Склад(id\_склада) |
|  | **количество** | DECIMAL(10,2) | Y |  |
|  | **дата\_обновления** | DATETIME | N |  |

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| Партии | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_партии** | INTEGER | Y | Auto increment |
| FK | **id\_продукции** | INTEGER | Y | REFERENCE:  Продукция(id\_продукции) |
|  | **количество** | INTEGER | Y |  |
|  | **дата\_производства** | DATE | Y |  |
|  | **срок\_годности** | DATE | Y |  |
| FK | **id\_склада** | INTEGER | Y | REFERENCE:  Склада(id\_склада) |
|  | **статус** | VARCHAR(20) | Y |  |
|  | **номер\_партии** | VARCHAR(50) | Y |  |
|  | **себестоимость** | DECIMAL(10,2) | Y |  |
|  | **цена\_продажи** | DECIMAL(10,2) | Y |  |

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| Продукция | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_продукции** | INTEGER | Y | Auto increment |
|  | **наименование** | VARCHAR(100) | Y |  |
| FK | **id\_категории** | INTEGER | Y | REFERENCE:  Категории\_продукции  (id\_категории) |
|  | **описание** | TEXT | N |  |
|  | **единица\_измерения** | VARCHAR(20) | Y |  |
|  | **стандартная\_упаковка** | INTEGER | Y |  |
|  | **срок\_годности** | INTEGER | N |  |

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| Продукция\_Материалы | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_связи** | INTEGER | Y | Auto increment |
| FK | **id\_продукции** | INTEGER | Y | REFERENCE:  Продукция  (id\_продукции) |
| FK | **id\_материала** | INTEGER | Y | REFERENCE:  Материалы  (id\_материала) |
|  | **количество\_на\_единицу** | DECIMAL(10,2) | Y |  |

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| Производственные\_нормы | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_нормы** | INTEGER | Y | Auto increment |
| FK | **id\_продукции** | INTEGER | Y | REFERENCE: Продукция  (id\_продукции) |
|  | **норма\_в\_день** | INTEGER | Y |  |
|  | **дата\_начала** | DATE | Y |  |
|  | **дата\_окончания** | DATE | N |  |

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| Роли | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_роли** | INTEGER | Y | Auto increment |
|  | **название\_роли** | VARCHAR(50) | Y |  |
|  | **описание** | NVARCHAR(100) | Y |  |

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| **Склад** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_склада** | INTEGER | Y | Auto increment |
|  | **название** | VARCHAR(50) | Y |  |
|  | **адрес** | TEXT | Y |  |
|  | **ответственный** | VARCHAR(100) | Y |  |
|  | **телефон** | VARCHAR(20) | Y |  |

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| **Сотрудники** | | | | |
| **KEY** | **FIELD NAME** | **DATA TYPE / FIELD SIZE** | **REQUIRED?** | **NOTES** |
| PK | **id\_сотрудника** | INTEGER | Y | Auto increment |
|  | **фио** | VARCHAR(100) | Y |  |
|  | **должность** | VARCHAR(50) | Y |  |
| FK | **id\_роли** | INTEGER | Y | REFERENCE: Роли  (id\_роли) |
|  | **логин** | VARCHAR(50) | Y |  |
|  | **пароль** | VARCHAR(100) | Y |  |
|  | **дата\_приема** | DATE | Y |  |
|  | **телефон** | VARCHAR(20) | N |  |
|  | **email** | VARCHAR(100) | N |  |
|  | **Исходный\_пароль** | NVARCHAR(100) | N |  |