

```

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  "openapi": "3.0.1",
  "info": {
    "title": "Medical Office",
    "description": "The application simplifies the interaction of patients with a medical center a",
    "version": "1.0"
  },
  "servers": [
    {
      "url": "http://localhost:8080",
      "description": "Generated server url"
    }
  ],
  "tags": [
    {
      "name": "Physician API",
      "description": "This provides all operations for managing physicians"
    },
    {
      "name": "Patient Api",
      "description": "Set of operations to process patients"
    },
    {
      "name": "Appointment API",
      "description": "This provides all operations for managing appointments"
    }
  ],
  "paths": {
    "/api/medical_office/physicians/{id}": {
      "get": {
        "tags": [
          "Physician API"
        ],
        "summary": "Find a physician",
        "description": "This operation searches for a physician by id",
        "operationId": "getPhysician",
        "parameters": [
          {
            "name": "id",
            "in": "path",
            "required": true,
            "schema": {
              "type": "integer",
              "format": "int32"
            }
          }
        ],
        "responses": {
          "200": {
            "description": "Successfully retrieved physician",
            "content": {
              "*/*": {
                "schema": {
                  "type": "object"
                }
              }
            }
          },
          "404": {
            "description": "Physician not found",
            "content": {
              "*/*": {
                "schema": {
                  "type": "object"
                }
              }
            }
          }
        }
      }
    }
  }
}

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    },
    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "put": {
    "tags": [
      "Physician API"
    ],
    "summary": "Create or Update Patient",
    "description": "This operation creates or updates an existing patient",
    "operationId": "updatePhysician",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Physician"
          }
        }
      },
      "required": true
    },
    "responses": {
      "200": {
        "description": "Successfully updated physician",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "404": {
        "description": "Physician not found",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "409": {
        "description": "Email already used",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "422": {
    "description": "Invalid physician data",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  },
  "500": {
    "description": "Internal server error",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  }
},
"delete": {
  "tags": [
    "Physician API"
  ],
  "summary": "Delete a physician",
  "description": "This operation deletes a physician",
  "operationId": "deletePhysician",
  "parameters": [
    {
      "name": "id",
      "in": "path",
      "required": true,
      "schema": {
        "type": "integer",
        "format": "int32"
      }
    }
  ],
  "responses": {
    "200": {
      "description": "Successfully deleted physician",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "404": {
      "description": "Physician not found",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "405": {
      "description": "Physician has an active appointment",
      "content": {
        "*/*": {
          "schema": {

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        "type": "object"
      }
    }
  },
  "500": {
    "description": "Internal server error",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  }
},
"/api/medical_office/patients/{cnp}": {
  "put": {
    "tags": [
      "Patient Api"
    ],
    "summary": "Create or Update Patient",
    "description": "This operation creates or updates an existing patient",
    "operationId": "createOrUpdatePatient",
    "parameters": [
      {
        "name": "cnp",
        "in": "path",
        "required": true,
        "schema": {
          "type": "string"
        }
      }
    ],
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Patient"
          }
        }
      }
    },
    "required": true
  },
  "responses": {
    "200": {
      "description": "Successfully updated patient",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "201": {
      "description": "Successfully created patient",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "409": {
    "description": "Cnp and id_user fields cannot be updated",

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        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    },
    "422": {
        "description": "Invalid patient data",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    },
    "500": {
        "description": "Internal server error",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    }
},
"/api/medical_office/appointments": {
    "get": {
        "tags": [
            "Appointment API"
        ],
        "summary": "Get an appointment",
        "description": "This operation gets an appointment by id_doctor, id_pacient and data",
        "operationId": "getAllAppointments_1",
        "parameters": [
            {
                "name": "id_doctor",
                "in": "query",
                "required": true,
                "schema": {
                    "type": "integer",
                    "format": "int32"
                }
            },
            {
                "name": "id_pacient",
                "in": "query",
                "required": true,
                "schema": {
                    "type": "integer",
                    "format": "int32"
                }
            },
            {
                "name": "data",
                "in": "query",
                "required": true,
                "schema": {
                    "type": "string"
                }
            }
        ],
        "responses": {
            "200": {

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        "description": "Successfully retrieved appointment",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    },
    "404": {
        "description": "Appointment not found",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    },
    "500": {
        "description": "Internal server error",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    }
},
"put": {
    "tags": [
        "Appointment API"
    ],
    "summary": "Update Appointment",
    "description": "This operation updates an appointment",
    "operationId": "updateStatus",
    "requestBody": {
        "content": {
            "application/json": {
                "schema": {
                    "$ref": "#/components/schemas/Appointment"
                }
            }
        }
    },
    "required": true
},
"responses": {
    "200": {
        "description": "Successfully updated appointment",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    },
    "404": {
        "description": "Appointment not found",
        "content": {
            "**/*": {
                "schema": {
                    "type": "object"
                }
            }
        }
    }
},

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    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "post": {
    "tags": [
      "Appointment API"
    ],
    "summary": "Create Appointment",
    "description": "This operation creates an appointment",
    "operationId": "createAppointment",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Appointment"
          }
        }
      }
    },
    "required": true
  },
  "responses": {
    "201": {
      "description": "Successfully created appointment",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "409": {
      "description": "Appointments must be made at least 15 minutes later than the current t",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "422": {
      "description": "There is another appointment at the same time for that doctor",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  }
}

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    }
  }
},
"/api/medical_office/physicians": {
  "get": {
    "tags": [
      "Physician API"
    ],
    "summary": "Get physicians by name",
    "description": "This operation gets physicians by name",
    "operationId": "getAllPhysicians_1_1_1",
    "parameters": [
      {
        "name": "specialization",
        "in": "query",
        "required": true,
        "schema": {
          "type": "string"
        }
      },
      {
        "name": "page",
        "in": "query",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      },
      {
        "name": "size",
        "in": "query",
        "required": false,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      },
      {
        "name": "name",
        "in": "query",
        "required": true,
        "schema": {
          "type": "string"
        }
      }
    ],
    "responses": {
      "404": {
        "description": "Physician not found",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "500": {
        "description": "Internal server error",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  }
}
}

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    }
  },
  "post": {
    "tags": [
      "Physician API"
    ],
    "summary": "Create Physician",
    "description": "This operation creates a physician",
    "operationId": "createPhysician",
    "requestBody": {
      "content": {
        "application/json": {
          "schema": {
            "$ref": "#/components/schemas/Physician"
          }
        }
      }
    },
    "required": true
  },
  "responses": {
    "201": {
      "description": "Successfully created physician",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "409": {
      "description": "Email is already used",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "422": {
      "description": "Invalid physician data",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "/api/medical_office/physicians/{id}/patients": {
    "get": {
      "tags": [
        "Physician API"
      ],
      "summary": "Get a doctor's patients",

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    "description": "This operation gets patients scheduled with a certain doctor",
    "operationId": "getPatients",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Successfully retrieved physician's patients",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "404": {
        "description": "Physician not found",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "500": {
        "description": "Internal server error",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  },
  "/api/medical_office/patients": {
    "get": {
      "tags": [
        "Patient Api"
      ],
      "summary": "Obtain patients",
      "description": "This operation obtains all patients",
      "operationId": "getAllPatients",
      "responses": {
        "500": {
          "description": "Internal server error",
          "content": {
            "*/*": {
              "schema": {
                "type": "object"
              }
            }
          }
        }
      }
    }
  }
},

```

```
"/api/medical_office/patients/{id}": {
  "get": {
    "tags": [
      "Patient Api"
    ],
    "summary": "Get patient's appointments by date",
    "description": "Get appointments for a patient filtered by date and type.",
    "operationId": "getPatient_1",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      },
      {
        "name": "date",
        "in": "query",
        "required": true,
        "schema": {
          "type": "string"
        }
      },
      {
        "name": "type",
        "in": "query",
        "required": false,
        "schema": {
          "type": "string"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Successfully retrieved patient's appointments",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "404": {
        "description": "Patient doesn't exist",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "422": {
        "description": "Invalid date or type format",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "500": {
        "description": "Internal server error",
        "content": {
```

```

        "*/*": {
            "schema": {
                "type": "object"
            }
        }
    },
    "delete": {
        "tags": [
            "Patient Api"
        ],
        "summary": "Deactivate account of a specific patient",
        "description": "This operation delete a patient",
        "operationId": "deletePatient",
        "parameters": [
            {
                "name": "id",
                "in": "path",
                "required": true,
                "schema": {
                    "type": "integer",
                    "format": "int32"
                }
            }
        ],
        "responses": {
            "200": {
                "description": "Successfully deleted the patient",
                "content": {
                    "*/*": {
                        "schema": {
                            "type": "object"
                        }
                    }
                }
            },
            "404": {
                "description": "Patient doesn't exist",
                "content": {
                    "*/*": {
                        "schema": {
                            "type": "object"
                        }
                    }
                }
            },
            "500": {
                "description": "Internal server error",
                "content": {
                    "*/*": {
                        "schema": {
                            "type": "object"
                        }
                    }
                }
            }
        }
    },
    "/api/medical_office/patients/{id}/physicians": {
        "get": {
            "tags": [
                "Patient Api"
            ],
            "summary": "Get a patient's physicians",
            "description": "This operation is obtained by the doctors to whom a patient is scheduled",
            "operationId": "getPhysicians",

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"parameters": [
  {
    "name": "id",
    "in": "path",
    "required": true,
    "schema": {
      "type": "integer",
      "format": "int32"
    }
  }
],
"responses": {
  "200": {
    "description": "Successfully retrieved patient's physicians",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  },
  "404": {
    "description": "Patient doesn't exist",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  },
  "500": {
    "description": "Internal server error",
    "content": {
      "*/*": {
        "schema": {
          "type": "object"
        }
      }
    }
  }
}
},
"/api/medical_office/appointments/physician/{id}": {
  "get": {
    "tags": [
      "Appointment API"
    ],
    "summary": "Get all appointments for a doctor",
    "description": "This operation gets all appointments for a doctor",
    "operationId": "getAllAppointmentsForPhysician",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Successfully retrieved appointments",
        "content": {
          "*/*": {

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        "schema": {
          "type": "object"
        }
      }
    },
    "404": {
      "description": "Doctor not found",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    },
    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  }
},
"/api/medical_office/appointments/patient/{id}": {
  "get": {
    "tags": [
      "Appointment API"
    ],
    "summary": "Get all appointments for a patient",
    "description": "This operation gets all appointments for a patient",
    "operationId": "getAllAppointmentsForPatient",
    "parameters": [
      {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer",
          "format": "int32"
        }
      }
    ],
    "responses": {
      "200": {
        "description": "Successfully retrieved appointments",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      },
      "404": {
        "description": "Patient not found",
        "content": {
          "*/*": {
            "schema": {
              "type": "object"
            }
          }
        }
      }
    }
  }
},

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```

    "500": {
      "description": "Internal server error",
      "content": {
        "*/*": {
          "schema": {
            "type": "object"
          }
        }
      }
    }
  },
  "components": {
    "schemas": {
      "Physician": {
        "type": "object",
        "properties": {
          "id_doctor": {
            "type": "integer",
            "format": "int32"
          },
          "id_user": {
            "type": "integer",
            "format": "int32"
          },
          "nume": {
            "type": "string"
          },
          "prenume": {
            "type": "string"
          },
          "email": {
            "type": "string"
          },
          "telefon": {
            "type": "string"
          },
          "specializare": {
            "type": "string"
          }
        }
      },
      "Patient": {
        "type": "object",
        "properties": {
          "cnp": {
            "type": "string"
          },
          "id_user": {
            "type": "integer",
            "format": "int32"
          },
          "nume": {
            "type": "string"
          },
          "prenume": {
            "type": "string"
          },
          "email": {
            "type": "string"
          },
          "telefon": {
            "type": "string"
          },
          "data_nasterii": {
            "type": "string"
          }
        }
      }
    }
  }
}

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```
        "is_active": {
            "type": "boolean"
        }
    },
    "Appointment": {
        "type": "object",
        "properties": {
            "id_pacient": {
                "type": "integer",
                "format": "int32"
            },
            "id_doctor": {
                "type": "integer",
                "format": "int32"
            },
            "data": {
                "type": "string"
            },
            "status": {
                "type": "string"
            }
        }
    }
}
```