

Homework Task made by Arnestas Baltrušaitis

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| Summary | <ul style="list-style-type: none">- Backend is completed, comments and tests needed,- Frontend(CSS) needs more development.- Admin Role and psw: Tom, 123- User Role and psw: Kim, 123 |
| Publicly accessible URL | https://visit-planner-836a72d264ee.herokuapp.com/ |
| Publicly viewable GitHub repository | https://github.com/Arnestas/VisitPlanner |
| Programming language | Java 17 |
| Framework | Spring Boot 3 |

- Visitors of a website can see three possible options:
 - o Reserve time to a specialist,
 - o Check visit time,
 - o Login.
 - o All visitors can book a visit time to the specialist using a link *Reserve time to a specialist*, login is not needed.
- The specialist can be chosen from a list. The visitor can choose only the specialist, the possible time of the visit will be calculated.
- All reservations with the specialist begin from the date 2023-09-01 08:00. Each visit lasts 20 minutes.
- The visit has three possible statuses:
 - o *Waiting* – status after the reservation,
 - o *Started* – the specialist can start the visit. The specialist can have only one started visit.
 - o *Finished* – specialist can finish only visit with the status *Started*.
 - o *Canceled* – the visitor can cancel the visit before it starts.
- The possible time to create the visit is next after the last existing visit. The visit with the status *Canceled* considered invalid.
- After ordering, the customer can see
 - o his reservation number,
 - o his place in the waiting line,
 - o time of the reservation,

- how much time has left before the meeting.
- The reservation number is generated using timestamp (by current date and time).
- Using the link *Check visit time*, the customer can check the reservation information using his reservation number.
- The customer can cancel his reservation.
- Only existing users can login to the system. There are two possible roles:
 - *User*,
 - *Admin*.
- After login User (specialist) can see a list of reservations to him with statuses *Waiting* and *Started*.
- In the list of visits User can see two possible options: *Start* and *Finish*.
- User can *Start* any visit (the visit status changes to *Started*). There can be only one visit with status *Started*.
- User can *Finish* only the visit with status *Started*.
- Specialist with role *Admin* can see *Service Desk* – a list of visits with statuses *Started* and *Waiting*. All visits with status *Started* and only the next seven visits with status *Waiting* are displayed in this list.
- Service desk information is reloaded every three seconds.
- Tables:
 - visits
 - id
 - reservation_time
 - reserved_time
 - status
 - status_change_date
 - number
 - user_id
 - users
 - id
 - username
 - password
 - enabled
 - user_roles
 - id
 - role
 - username
- Further improvements
 - Improve CSS,
 - Develop creation of users and roles using the system,

- Change database:
 - create separate tables for roles and user password.