```
     ADMIN                              SURVEY                           AUTHENTICATION
                                        SYSTEM                              MODULE

       │          launch the homepage of the online survey survey system        │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the login page        │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │          login using the admin username and password                    │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │                                security credentials are passed          │
       │                                             │──────────────────────────►│ auth
       │                                             │                           │
       │                                             │                           │──
       │                             if successful, pass the admin information    │
       │                                             │◄──────────────────────────│
       │                                             │                           │
       │               display the admin dashboard   │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │                        if unsuccessful, return an invalid authentication response │
       │                                             │◄──────────────────────────│
       │                                             │                           │
       │          otherwise, request to re-enter username and password           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │          click on the course from a list for creating a survey          │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the course page       │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │               click on the create survey button                         │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the survey page       │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │               click on the create question button                       │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the question page     │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │      type in the question and add answers in mc form or select          │
       │                text-based answer option     │                           │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               click on the add question button                          │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the survey page       │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │               click on the choose question button                       │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │      display questions from both generic pool and optional              │
       │                     questions               │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │      select one of the questiosn from one of the lists and click add    │
       │                  question button            │                           │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the survey page       │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │               if required, click on delete question button              │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │      display the list of questions from both the generic question       │
       │                pool and optional questions  │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │      select the question to be deleted and click delete question        │
       │                     button                  │                           │
       │───────────────────────────────────────────►│                           │
       │                                             │                           │
       │               display the survey page       │                           │
       │◄───────────────────────────────────────────│                           │
       │                                             │                           │
       │               click on the survey availability button                   │
       │───────────────────────────────────────────►│                           │
```

DATATBASE

henticate the input credentials with the stored ones
in the database

display survey availability page

enter time ranges for the survey and enter the submit button

display the survey page

click make survey available button

display a pop-up message notifying the admin that the survey has be automatically added to the designated staff members' dashboard

click 'ok' on the pop-up message

redirect to the admin dashboard

if the admin wishes to make the survey unavailable, click on the same course again

display the course page

click close survey button, this will make the course unavailable to the students