Task Specs

General Notes:

The aim of the task is to create a one-page app that simulates a room where an interview happens between an interviewer and interviewee. The assignment focuses on the interviewer experience, the interviewee is not in the scope of the assignment.

- the user can refresh the page and the status has to be preserved.
- we provide urls for the routing, view and collections

URLs:

```
: /interview/ → redirect to /interviews/questions
                /interviews/questions/  →  questionView sub view
                /interviews/cv/            → cv view
                /interview/jobSpec       → JobSpec view
```

Second page :

```
               /review/  ( no subviews)
```

Models :

- *Interview (ReadOnly)*

Interview model returns information about the candidate. This object it will be provided in the window object. For example :

window.cache.currentInterview =

```
{
        "id": 2,
        "start": "2014-12-12T11:30:00Z",
        "end": "2014-12-12T12:30:00Z",
        "status": "OPEN","job_position": 2,
        "candidate": {
                "id": 2,
                "name": "test",   Candidate name
                "email": "dsssfs@ffsf.com",
                "surname": "test",
                "cv": 2},  "File id, this should be used to fetch the file info from the FILE API"
        "catalogue": 1, " catalogue id should be used to fetch questions catalogues from the
        QUESTION API"
        "job_position_name": "fff" JOb position to be used in the view block a
}
```

JobPosition (readOnly)

This object is provided in the window object. For example : window.cache.current_interview model.

```
{  id : 1
   position : "position name"
   job_spec : 2 ( file Id, this file id should be used to fetch file info from the server"
}
```

QuestionsCatalogue (readOnly)

GET : /dashboard/questions/catalogue/1/list

The array of questions is provided in the window object.

For example : window.cache.questions = […] array of question models.

```
Question : {
        id : `questio id`, ( this should be used to map a question to an answer
        question_text : question text
       question_catalogue : number ( ignore it)
}
```

Files (readOnly)

returns file info and URL

GET : /files/[id]

```
{
"id": 1,
"type": "CV",
"size": 35,
"original_name" : "test.pdf"
"url": "/media/uploaded_files/1/_1.pdf", URL to be used in the document viewer
"delete_type": "DELETE",
"delete_url": "/dashboard/files/1",
"name": "_1.pdf"
}
```

Answers Model

GET interviews/[:id]/answers : returns list of answers for the given interview
POST interviews/[:id]/answers : create a new answer
PUT interviews/[:id]/answers[:answer_id] : update an answer

Answers Model :

```
{
  id : 1,
  content : “” Text field
  question : question id
  rating      : number from 1 to 10
}
```

Notes Model

GET /interviews/[:id]/notes returns not obejct for interview.
PUT /interviews/[:id]/notes updates note content (the entire test should be sent)
The full content should be sent to the remote api.
notes :

```
{
   id : 1,
   content : “content”
}
```

OverallRatings :

```
GET /overallratings
POST /overallratting/[:id]
overall-rating :
{
   id :
  question : “text “
  rating : 1 to 5
}
```

Interview Events :

GET /interviews/[id]/events returns an array containing events belonging to interview id
POST /interviews/ [id]/event create a new event

```
event :
{
  id : id
  timestamp : number
  type :  string
  content : string
}
```

Suggersted backbone Collections

QuestionCollections
AnswerCollections
EventCollections
RatingCollections

Suggested backbone views :
From picture Step 1 Area we can define different blocks, backbone views, the page is divided in.

First page : **/interviews/**

```
        Navigation bar( Box E )
        CandidateInfo (  Box A)
        Events views   ( Box D)
                NESTED VIEWS :
                / interviews/questions      → render question view (block b)
                                            → render answer view (block c)
                                            → render note view ( block c )
                /interviews/cv         → render cv view ( file View)
```

/interview/jobSpec → render file view (file View)

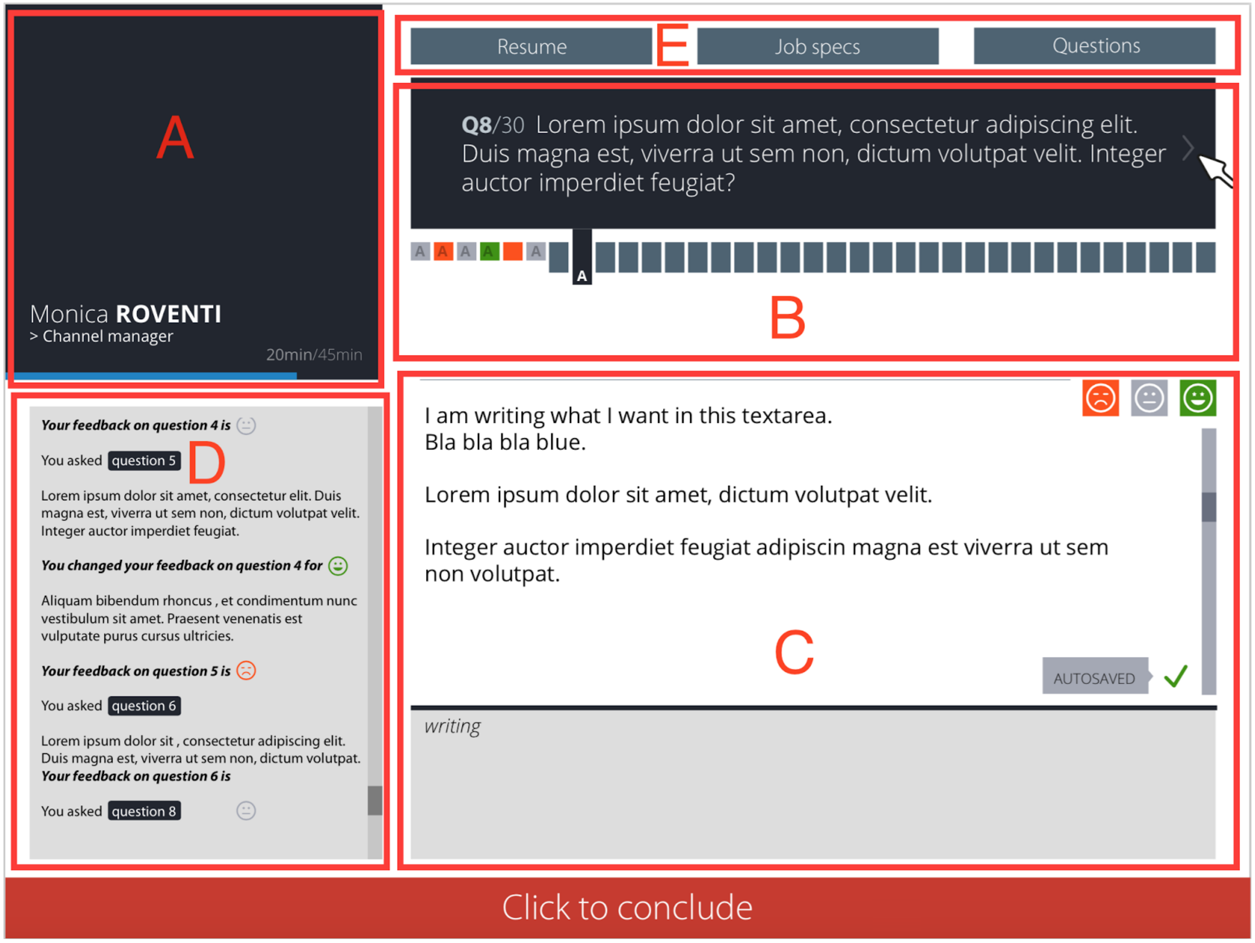
From picture Step 2 area (page 12)

Second page : **/review/**

modal window : overallView → render overAll view

review → AnswerReviewView (block F, they can edit an answer)

Step 1 Areas



Q8/30 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat?

I am writing what I want in this textarea.
Bla bla bla blue.

Lorem ipsum dolor sit amet, dictum volutpat velit.

Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat.

Your feedback on question 4 is

You asked question 5

Lorem ipsum dolor sit amet, consectetur elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat.

You changed your feedback on question 4 for

Aliquam bibendum rhoncus , et condimentum nunc vestibulum sit amet. Praesent venenatis est vulputate purus cursus ultricies.

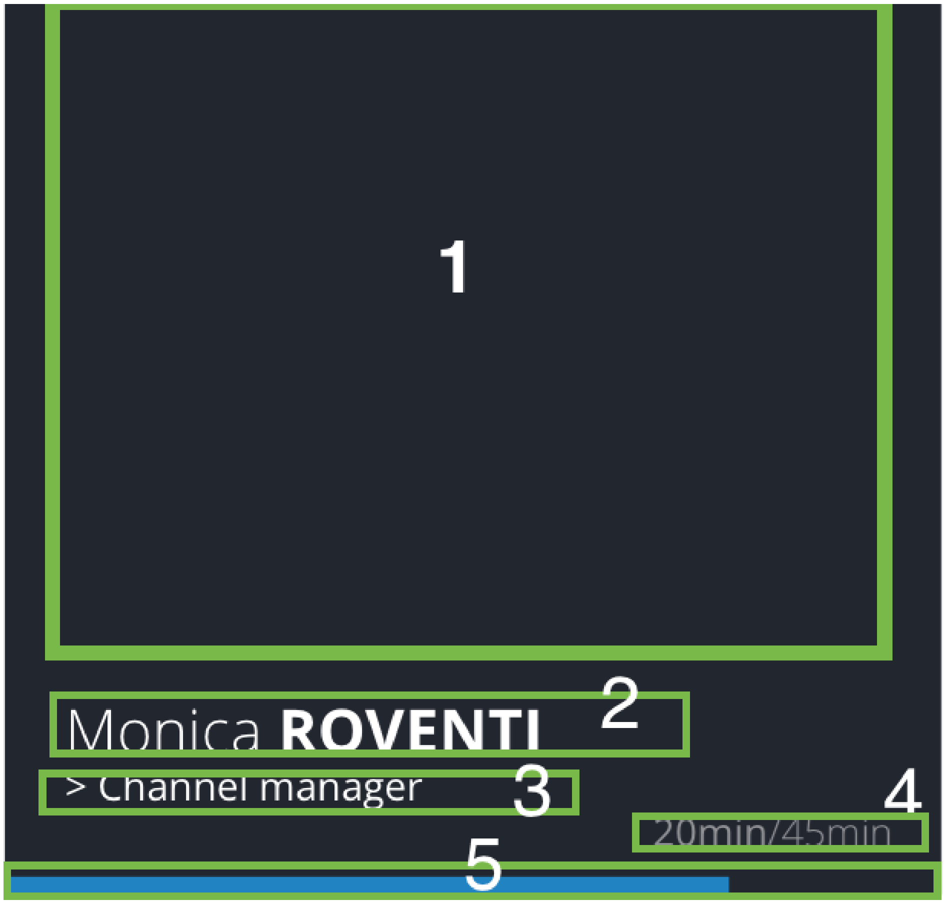
Your feedback on question 5 is

You asked question 6

Lorem ipsum dolor sit , consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat.
Your feedback on question 6 is

You asked question 8

Area A

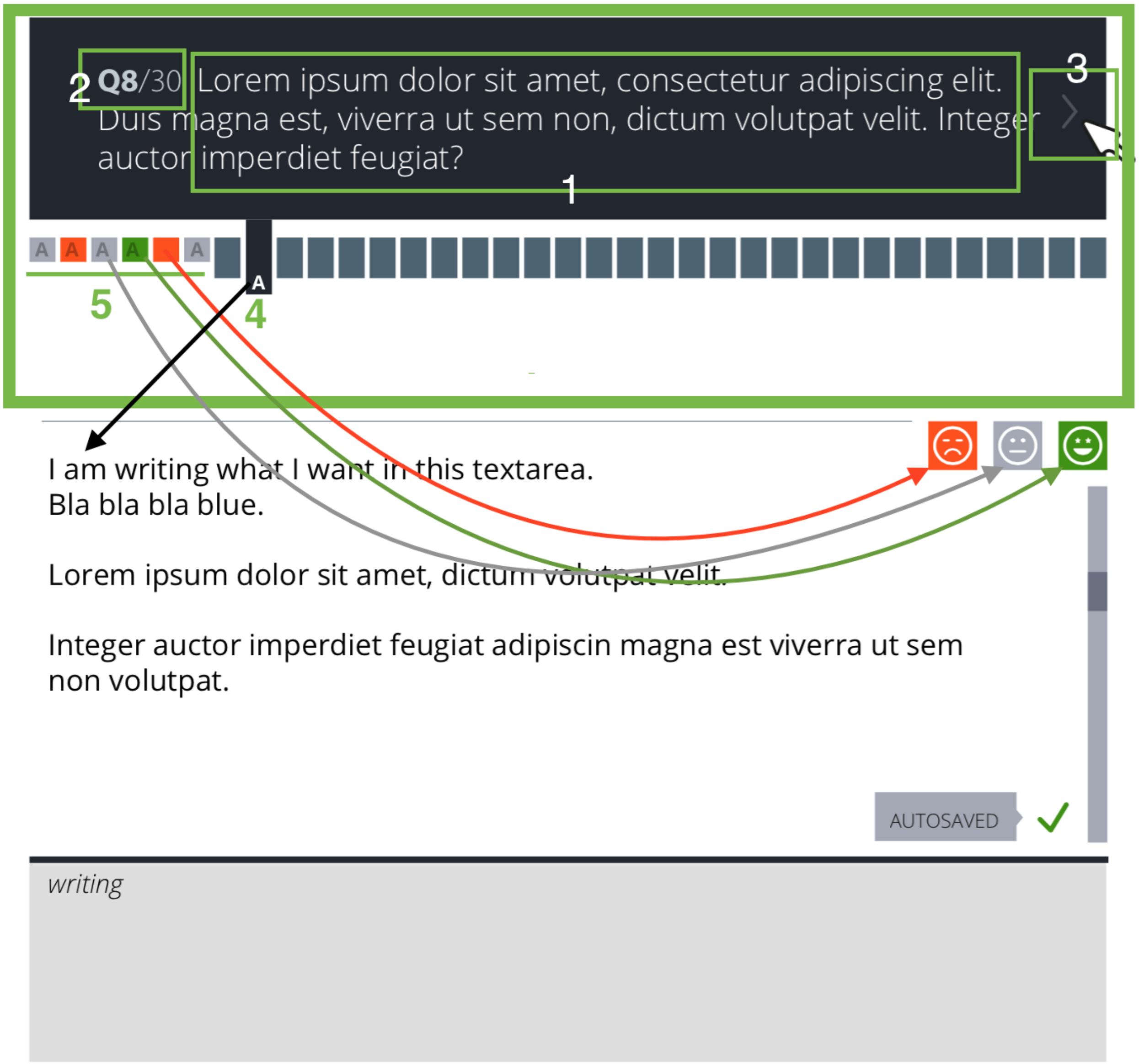


this block is a simple view as the video is not in the scope for the task, for this view we require an empty div with the addition of the following properties:

1. This area is just an empty div.
2. name of the candidate loaded from the interview object whic can be found in the window.cache object
3. position of the candidate loaded as the previous element
4. duration of the interview in the format TimeFromStart/TotalDuration. TimeFromStart is provided in the interview object and it is called start. The TotalTime value can be calculated as difference between end and start (both in the interview object, see interview model)
5. a progress bar that dynamically update proportionally to the time described at point 4. This is a graphical representation of the same concept TimeFromStart/TotalTime.

Area B

This area is contains the list of all of the questions for the interview. The question can be found in window.cache.questions array or they can be fetched from the remote server (see question model). Questions are in the same order as the they are in the response of the api call. This block has interactions with **Area C.**



Q8/30 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat?

I am writing what I want in this textarea.
Bla bla bla blue.

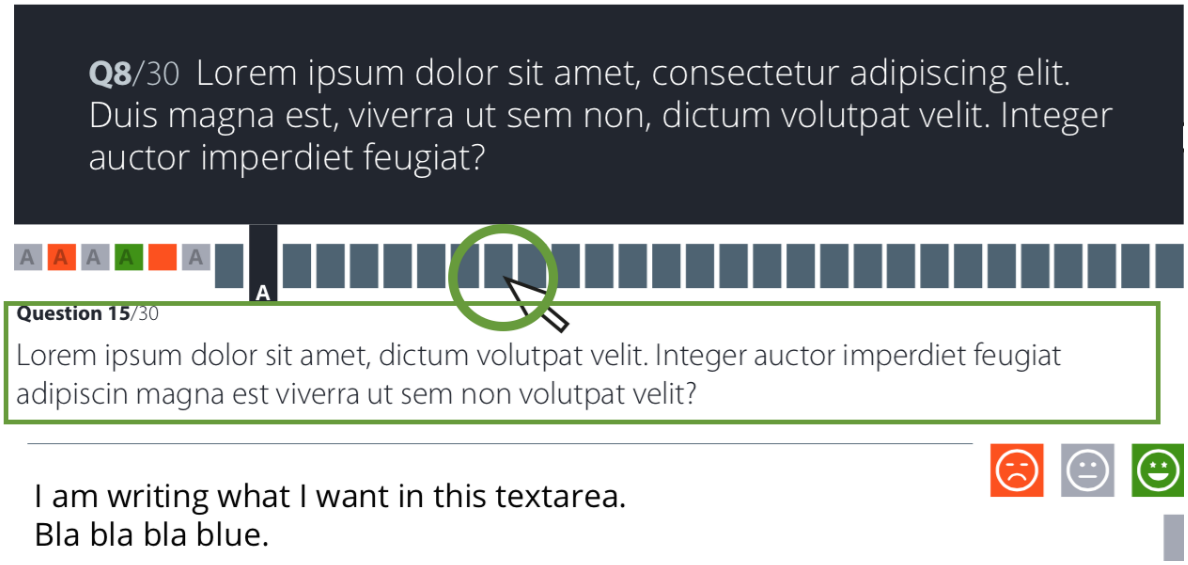
Lorem ipsum dolor sit amet, dictum volutpat velit.

Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat.

writing

1. The dark area contains the Q title, the content is found in question model as `question_text`. information about the question number in the format Qi/totalNumberOfQuestions. From the picture Q8/30 shows the 8th question in the list, the list if of length 30
2. When hovering on the side of the block, a navigation arrow is shown, when the arrow is clicked the backbone view of the dark area loads the content of the following question as described in point 1 and 2. The same happens when the user hovers in the right area of the dark block, in this case the view loads the content of the previous question in the list. The list is/isn't linked.
3. Note #4 shows the status of the a selected question.
4. Note #5 highlights possible statuses of the little blocks representing a question.
    a. The default status is a medium sized block like the block of question 7. At the beginning all the blocks in the list are in this status.

b. when a question is Answered the block will get smaller with and marked with a “A”. Answered means that some text in the section XXX of **Area C** is entered.
c. when the user clicks any of the three Scores in section XXX of **Area C**, the block is colored respectively to reflect the change.
d. the block for the current question, Q8 in the pictures, is expanded in size and it is updated as per the event described above. for example Q8 at the moment is answered but the user hasn’t selected a score yet.



Q8/30 Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat?

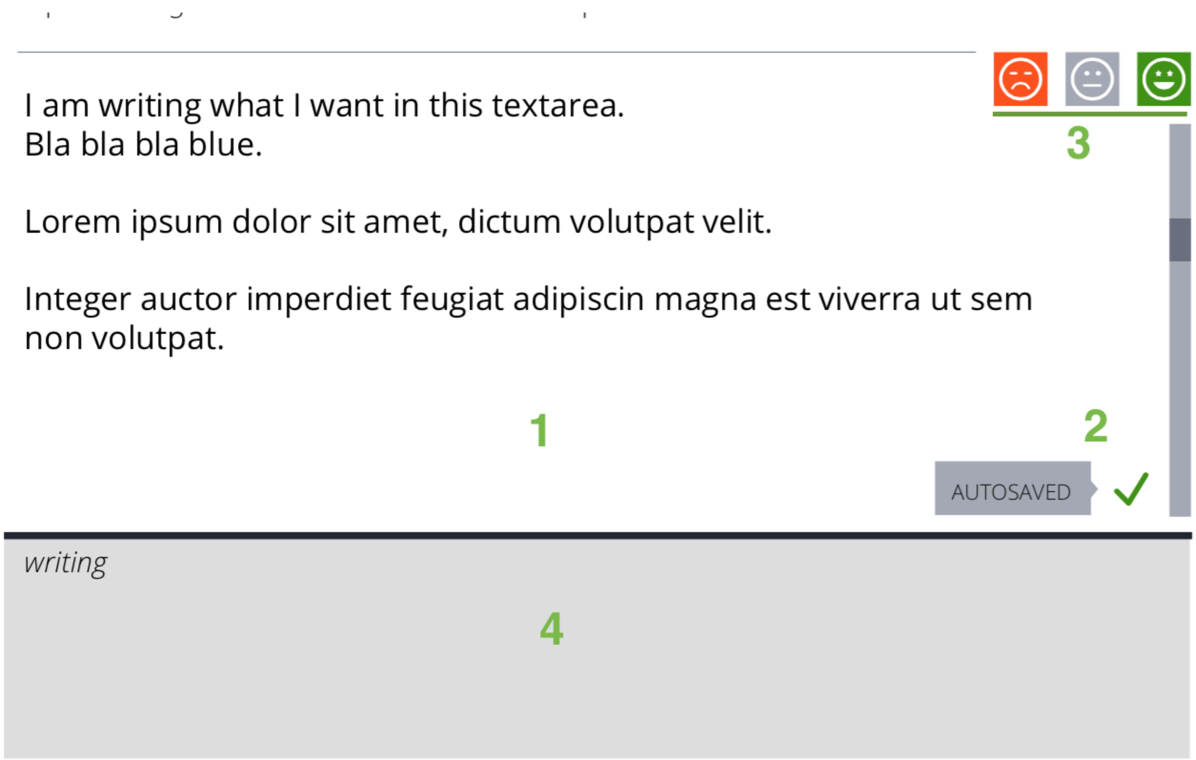
Question 15/30
Lorem ipsum dolor sit amet, dictum volutpat velit. Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat velit?

I am writing what I want in this textarea.
Bla bla bla blue.

When the user hovers over a block the content of the question along with the # of the question are shown in the white space of **Area B**. Content of question and number are the same as point 1 and 2 from above.

Area C

For each question there is an answer in a 1:1 relationship.



I am writing what I want in this textarea.
Bla bla bla blue.

Lorem ipsum dolor sit amet, dictum volutpat velit.

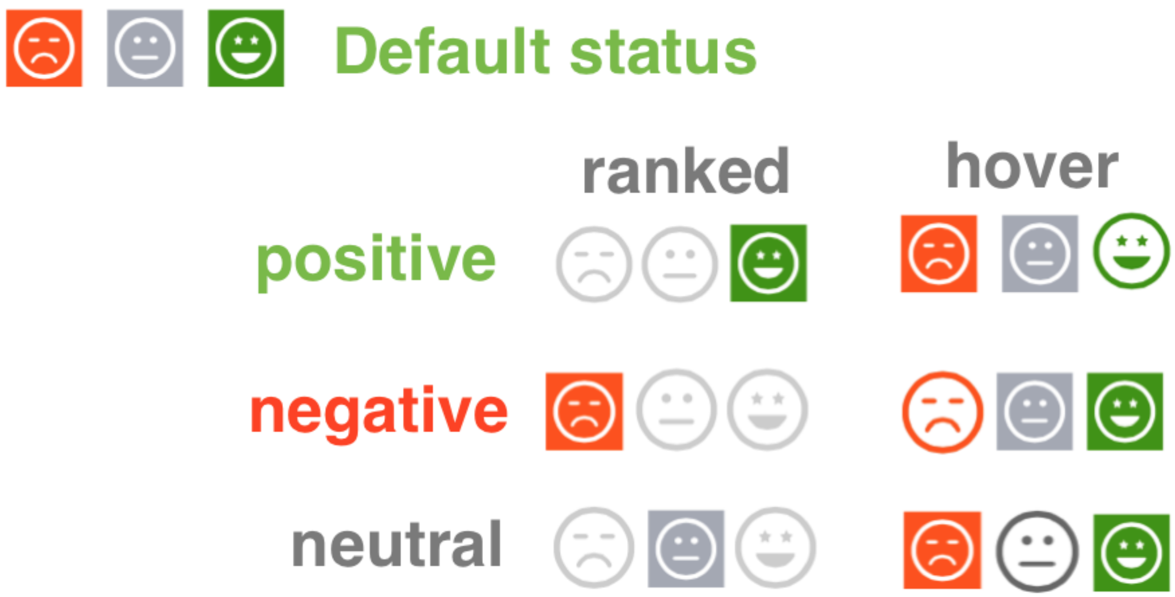
Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat.

writing

1. Area C is divided in 2 main blocks, backbone views. Block 1 is the answer of a question,this is an HTML5 textarea AnswerView. This block is reloaded when every time a different question is selected. When the user clicks on a different question, block 1 should load the respective content for the question. If a question is unanswered this area will be blank, if the question as already an answer content will displayed.
2. NOTE a question object should be created when a user enters some text in the answer field or when he click on a rating. An answer can be created with a POST request. See Answer model.
3. when the content of the section has been pushed to the server with PUT to /interivews/id/answer/ 200 OK response is received, then the autosave message with the green tick is showed. What to do when something goes wrong? we show an error
   The saving logic is as follow:
   a. every time the user focus out the block 1 the content is saved.
   b. 2 seconds the content is saved
   c. when the user press the Enter button the content is saved
   To update an answer the entire object should be send to the server. Backbone does it by the default.
4. Every question has a rating area. The picture above shows the status of a question that hasn't been rated yet. When a user clicks on a rating the block changes as the following picture:
5. block 4 is a fixed block, common for every question binded to a model that represent common notes for the entire app. When a new question is selected the block won't

load a different content. At the same time block 3 will load the content as it is bind the questions.

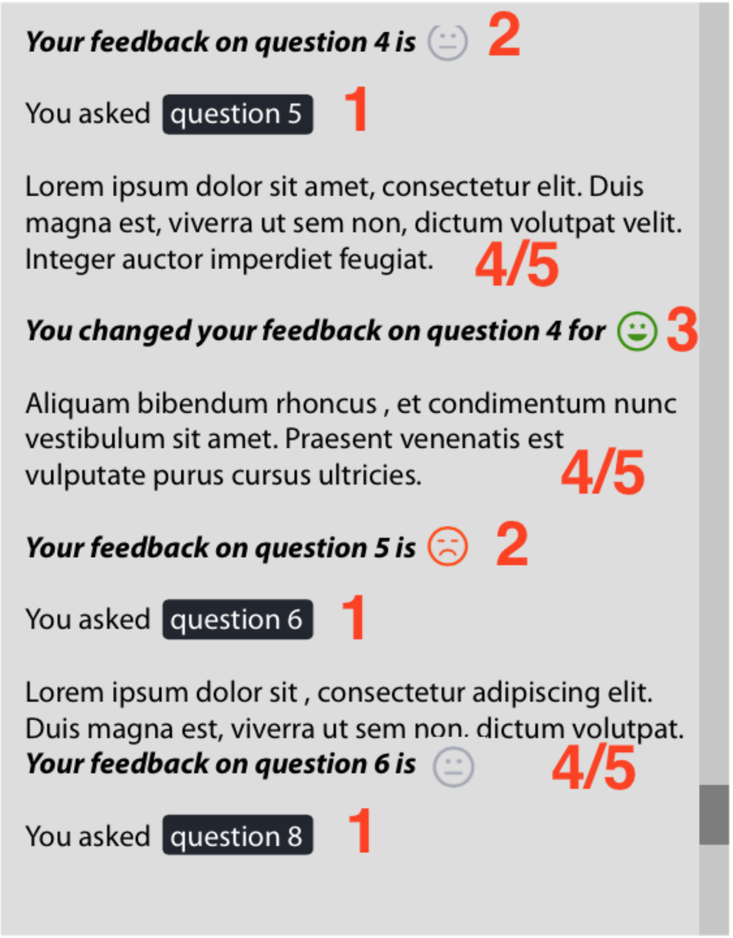
6. NOTE a valid answer is an answer which comply to one of the following rule :
   - it contains a text content and a rating
   - it contains only a rating value but not a text content
   - it contains only a text content but not a rating



Area D

Area D is a view for the

The event list is a collection of events occurring in the page which is bound to the Event Model discussed abovel. Every time a specific event in the following list happens, the event will be added to the list, event are only added, there are no deletion. An event is defined as follows ;



Your feedback on question 4 is 😐

You asked question 5

Lorem ipsum dolor sit amet, consectetur elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat.

You changed your feedback on question 4 for 🙂

Aliquam bibendum rhoncus , et condimentum nunc vestibulum sit amet. Praesent venenatis est vulputate purus cursus ultricies.

Your feedback on question 5 is ☹

You asked question 6

Lorem ipsum dolor sit , consectetur adipiscing elit. Duis magna est, viverra ut sem non. dictum volutpat.

Your feedback on question 6 is 😐

You asked question 8

The event that need to be registered are the following:

1. when a user selects a new question
2. when a user rates for the first time a question
3. when a user changes the rate of a question
4. when a user add content to the answer of a question
5. when a user makes any changes to the answer of a question

The event model consists of the following fields :

- timestamp : when the event happened
- event type : ANSWER_UPDATE, RATED_UPDATE
- content : updated content, for example in the case of rating the numerical value.

N.B the content should contain only the info regarding the change I made. For example, when I am adding something to a question. Only the new text should be recorded as event.

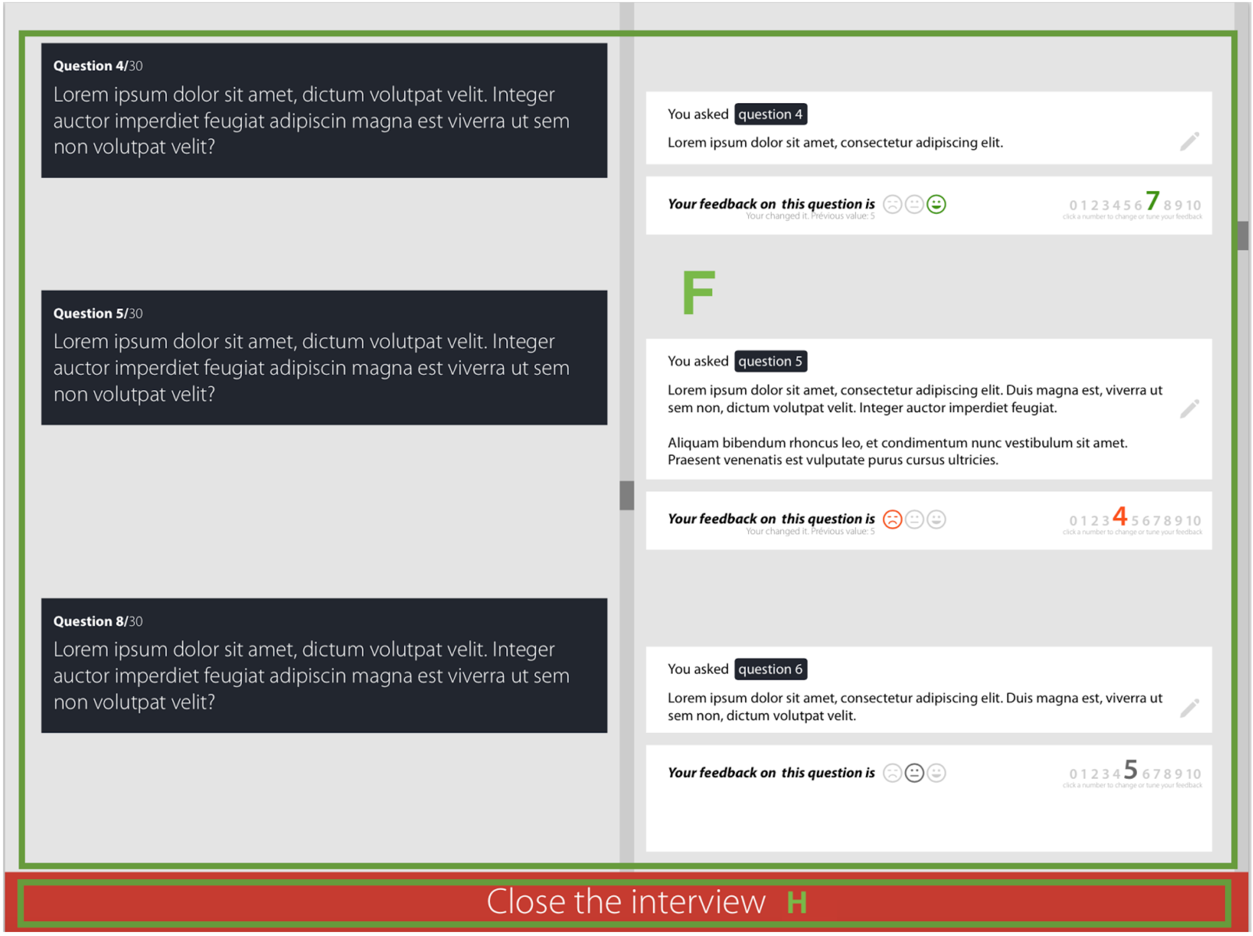
Area E

In **Area E** there are three buttons, Resume, Job Specs, Questions. When one of this button is clicked the lower block is loaded (see picture XXX the green blocks). The picture show the view for the Question page. Resume and job spec show a document which is available in the url

Resume and Job Specs both show an html document that is loaded from respectively the request YYY, ZZZ in the api calls section.

USE google docs : https://docs.google.com/viewer

Step 2 Areas



Question 4/30
Lorem ipsum dolor sit amet, dictum volutpat velit. Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat velit?

Question 5/30
Lorem ipsum dolor sit amet, dictum volutpat velit. Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat velit?

Question 8/30
Lorem ipsum dolor sit amet, dictum volutpat velit. Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat velit?

You asked question 4
Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Your feedback on this question is ☹ 😐 ☺
Your changed it. Prévious value: 5
0 1 2 3 4 5 6 **7** 8 9 10
click a number to change or tune your feedback

You asked question 5
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat.

Aliquam bibendum rhoncus leo, et condimentum nunc vestibulum sit amet. Praesent venenatis est vulputate purus cursus ultricies.

Your feedback on this question is ☹ 😐 ☺
Your changed it. Prévious value: 5
0 1 2 3 **4** 5 6 7 8 9 10
click a number to change or tune your feedback

You asked question 6
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit.

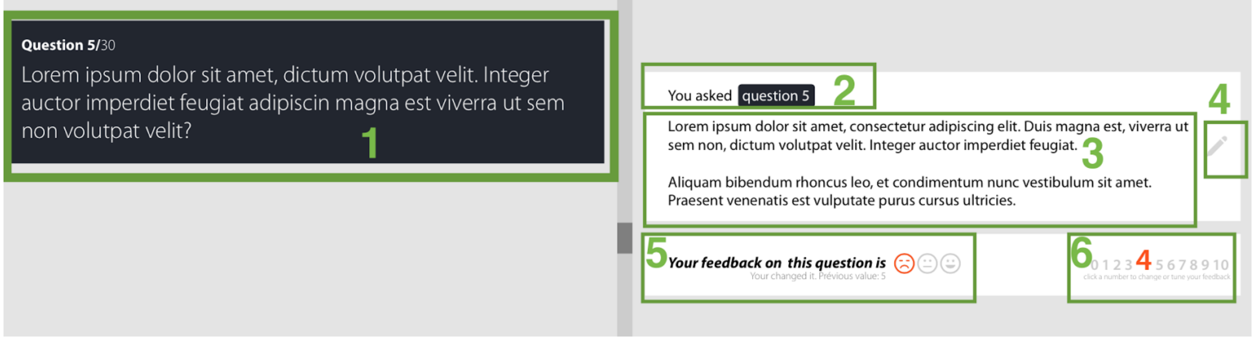
Your feedback on this question is ☹ 😐 ☺
0 1 2 3 4 **5** 6 7 8 9 10
click a number to change or tune your feedback

Area F

Area F is a view on the questions and the answers models, it is a timeline made of blocks as shown in the following picture, the question is represented as dark block on the left hand side, the answer and the rating are in two separate white blocks on the right hand side. The list of questions need to be scrollable. **The timeline only displays blocks for questions that have an answer or a rating or both.**

- **If a question doesn't have neither an answer nor a rating, the question won't be included in the list.**
- If a question wasn't answered, meaning there isn't an answer for that question in the event list, the timeline won't display the answer element on the right for this question. but only the rating section.

- If a question does not have a rating, meaning the user never rated the question, the white area of the rating will be presented anyway so that user can provide a score if he wants to. The area in 5 will have all three faces with grey color and the user can select one rating. the Area in 6 will be all grey small numbers.



Question 5/30
Lorem ipsum dolor sit amet, dictum volutpat velit. Integer auctor imperdiet feugiat adipiscin magna est viverra ut sem non volutpat velit?

You asked question 5

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis magna est, viverra ut sem non, dictum volutpat velit. Integer auctor imperdiet feugiat.

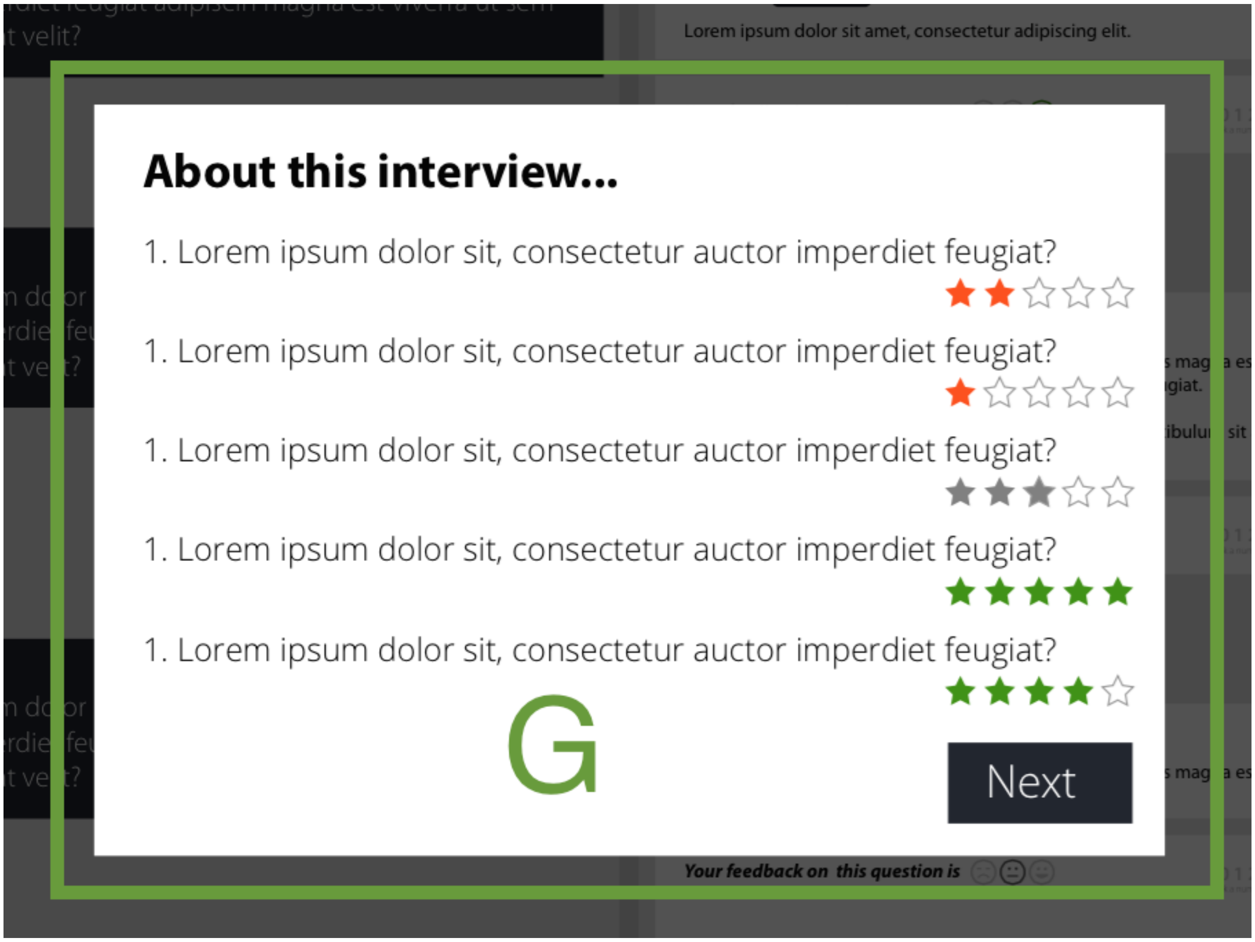
Aliquam bibendum rhoncus leo, et condimentum nunc vestibulum sit amet. Praesent venenatis est vulputate purus cursus ultricies.

Your feedback on this question is
Your changed it. Prévious value: 5

0 1 2 3 4 5 6 7 8 9 10
click a number to change or tune your feedback

- The questions content and the information in the format Q-position/LengthOfQuestionList. This is the same as in section XXX
- this area only present the information as fixed string
- this is the answer of a question as a textarea
- the user is allowed to change the content of the answer when clicking the edit button
- the rating on the question. Note that in small and light grey there is a note about the previous value of the rating. When the user changes the rating for a question, this note should be able to store the value of the rating so as to keep track of the previous rating. When a user clicks on a face the rating need to change accordingly in both the face selected in this section and in the value in the block 6. the same happens for changes performed in block 6. When the user hovers on a faces this will be highlighted
    - red for negative
    - darker gray for neutral
    - green for positive
- when a user hovers over the values, the score will be highlighted with the correct color and increased in size. the color mapping is:
    - **0-4 : RED**
    - **5-6 : Grey**
    - **7-10 : Green**

Area G



About this interview...

1. Lorem ipsum dolor sit, consectetur auctor imperdiet feugiat?
★★☆☆☆

1. Lorem ipsum dolor sit, consectetur auctor imperdiet feugiat?
★☆☆☆☆

1. Lorem ipsum dolor sit, consectetur auctor imperdiet feugiat?
★★★☆☆

1. Lorem ipsum dolor sit, consectetur auctor imperdiet feugiat?
★★★★★

1. Lorem ipsum dolor sit, consectetur auctor imperdiet feugiat?
★★★★☆

G
Next
t velit?
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Your feedback on this question is

This area is a modal over the page that will appear once the user clicked the button on the bottom of the interview and was routed to the /review view.
The modal is a view made of the elements part of the overall ratings mode from the response of the overall ratings api call **GET /overallratings**. Every element has a rank value made of 5 stars, the user when clicking on a star changes the value of the rating which need to be update with the call **POST interviews/id/overallratings/id**. the color mapping is:

- **1-2 : RED**
- **3 : Grey**
- **4-5 : Green**

When the user clicks on the next button the modal is closed and not shown anymore on the page.

Area H

button to finish.