

Web Fullstack exam

Gallery

- 1. Get 100 elements from public API <https://picsum.photos/v2/list?page=1&limit=100>
- 2. Each element schema contains:

```
{
  "id": "<element identifier>",
  "author": "<author name>",
  "width": <image width>,
  "height": <image height>,
  "url": "<source page image url>",
  "download_url": "<image url>"
}
```

- 3. Image src can be constructed:
`https://picsum.photos/id/{id}/{width}/{height}`
- 4. Store elements in server's cache
- 5. Provide API to serve random elements from previously cached data
- 6. Each call to our API will provide 5 random elements
 - a. Images provided in each call must be unique and not seen before in previous invocations
 - b. Author name needs to be shown with slide up effect on mouse over
 - c. Third image from provided list will be loaded in a view window as default image
 - d. Every 30 seconds the gallery will retrieve the new data and bind it to a view (bonus: only after idle of X seconds detected the data will be fetched)
 - e. Arrows will slide thumbnails according to the direction (left/right)
 - f. Click on thumbnail will show the image in upper view
- 7. The images provided by the custom API (not <https://picsum.photos/>) will be shown in the following way

