

# Digital library

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## Backlog item

As an administrator, I want to create thematic pages, so that people can share and search for some topical material.

**Estimation in story points: 13**

**AC:**

**Given:** I am a logged-in system administrator and I'm on the main page of the service.

**When:** I create the thematic pages for users.

**Then:** Now users see these pages and they can share and search some topical material in an efficient way.



# Departments

## Frontend

Denis Schegletov  
Aidar Khuzin

## Backend

Danis Alukaev  
Aidar Khuzin  
Karina Singatullina

## Quality Assurance

Tasneem Toolba  
Karina Singatullina

# INVEST

We have discussed all the user stories and gave them **also** estimations, based on INVEST criteria.

Example:

As a moderator, I want to check and confirm the sharing requests so that we filter inappropriate material.  
(2,3,3,3,3,3)





# Acceptance criteria

As a moderator, I want the requested shared links to get checked from the cybersecurity department so that users can avoid insecure links and not get hacked.

**Given:** I am a logged-in system moderator and I'm on the page with users' requests for adding materials.

**When:** I have got a user's request to add new materials from some website and the link to this website is also provided. I share this link with the cybersecurity department to check it.

**Then:** If the link is marked safe, I add it to the digital library content, otherwise I decline this user's request.



# Definition of done (2 slides)

Underlying code should be completed for all functionals described in user stories.

**Action:** code revision.

**Reason:** the initial condition for the stakeholder to be satisfied with the functionality that he described in the interview is their full implementation.

**Department:** Backend, Frontend.

Code and documentation should follow PEP8 style guide.

**Action:** code revision.

**Reason:** for good maintainability, the product must be clearly written and documented; since the primary programming language for our project is Python we will use its style guide.

**Department:** Frontend, Backend and Quality Assurance.

Unit test coverage is at least 80%.

**Action:** testing of code units.

**Reason:** to be sure that each program unit in the developed solution is working properly there should be sufficient test coverage, 80% is feasible for our team within the assigned time.

**Department:** Quality Assurance.

All functional tests passed.

**Action:** testing of the system.

**Reason:** all functions must work as a system without any problems, otherwise the user will have a bad experience with the product.

**Department:** Quality Assurance.

All business functionality and acceptance criteria of user stories met.

**Action:** reflection on the project backlog.

**Reason:** allows us to evaluate how our product is designed in accordance with expectations from a business and user perspective.

**Department:** Frontend, Backend and Quality Assurance.

There are no known defects.

**Action:** reflection on the code.

**Reason:** before the deployment all known defects should be eliminated in order to preserve undefined behaviour in usage.

**Department:** Frontend, Backend and Quality Assurance.

Software product is deployed.

**Action:** project deployment.

**Reason:** according to the stakeholder's expectations the minimum viable product must be deployed and put into operation.

**Department:** Quality Assurance.

**Backlog with AC**



As an administrator, I want to assign moderators for specific pages so that the system would be manageable.

**Estimation in story points: 8**

**AC:**

**Given:** I'm a logged-in system administrator, I'm on a page where I can see all moderator and professor profiles, with additional data about courses which each professor teaches.

**When:** A new moderator registers, I assign this moderator to some course.

**Then:** Moderators will be responsible for filtering the materials of the assigned courses for each one regularly.

As a user I want to see my profile page so that I can control which personal data I give this service and if I want I can share some additional information about me.

**Estimation in story points: 2**

**AC:**

**Given:** I'm a logged-in system user, I'm on the page where I can see my personal data.

**When:** I want to edit my personal data, I edit it after choosing an edit mood that's corresponding to the desirable part.

**Then:** My personal data is updated.

As a moderator, I want to check and confirm the sharing requests so that we filter inappropriate material.

**Estimation in story points: 5**

**AC:**

**Given:** I'm a logged-in system moderator, I'm on the page with users' requests for adding materials.

**When:** I have got a new user's request to add new materials, I want to be able to view the materials and check their references.

**Then:** If the materials are appropriate and related to the assigned course, then I accept to post them or reject them.

As a moderator, I want the requested shared links to get checked from the cybersecurity department so that users can avoid insecure links and not get hacked.

**Estimation in story points: 1/2**

**AC:**

**Given:** I am a logged-in system moderator and I'm on the page with users' requests for adding materials.

**When:** I have got a user's request to add new materials from some website and the link to this website is also provided. I share this link with the cybersecurity department to check it.

**Then:** If the link is marked safe, I add it to the digital library content, otherwise I decline this user's request.

As an administrator, I want clear categories with their descriptions, so that I can categorize the materials in an efficient way.

**Estimation in story points: 13**

**AC:**

**Given:** I am a logged-in system administrator and I'm on the main page of the service.

**When:** I have to categorize a lot of very specific materials to help users to find the needed ones fast, so I choose the necessary category for each new material based on its description provided on the service.

**Then:** All the materials are sorted clearly, and it is convenient to find some interesting textbook or tutorial fast just by choosing the needed category.

As an administrator, I want to create thematic pages, so that people can share and search for some topical material.

**Estimation in story points: 13**

**AC:**

**Given:** I am a logged-in system administrator and I'm on the main page of the service.

**When:** I create the thematic pages for users.

**Then:** Now users see these pages and they can share and search some topical material in an efficient way.

As a user, I need a user-friendly interface so that it will be convenient to deal with it.

**Estimation in story points: 20**

**AC:**

**Given:** I am a logged-in system user and I'm on the main page of the service.

**When:** I want to find my course related materials/find other interesting materials/open books or videos via viewer/edit my profile page/other and I do some actions on the service intuitively like on the similar to this and more popular ones.

**Then:** I find needed materials fast without any troubles, I can read a guide about using the digital library, I always can get the support from the administrator and write the feedback.

As a user, I want to rate content, write comments and see the number of views, so that I know what kinds of material are interesting for students.

**Estimation in story points: 8**

**AC:**

**Given:** I am a logged-in user on the page where I can view content.

**When:** I go to tab with rating and comments.

**Then:** I can see which materials are interesting and share my own opinion.

As a professor, I want to show the students what course materials recommended them to read more carefully and what materials are not so important, so that I can help students prioritize all the course textbooks.

**Estimation in story points: ?**

**AC:**

**Given:** I am a logged in professor on the page with my course materials.

**When:** I choose materials recommended to read more carefully and ones that are not so important.

**Then:** It becomes easier for students to prioritize all the course textbooks.

As a user, I want my contribution to give part of innopoint so that I remain involved in the sharing process.

**Estimation in story points: ?**

**AC:**

**Given:** I am a user involved in the sharing process.

**When:** I share materials.

**Then:** I receive innopoints and remain involved in the sharing process.

As an IT department member, I want to keep the web service on Innopolis University servers so that it becomes easier to maintain all Innopolis University resources.

**Estimation in story points: ?**

**AC:**

**Given:** I am an IT department member.

**When:** The server is deployed.

**Then:** The web service would be on Innopolis University servers and it becomes easier to maintain all resources.

As a user, I want to filter content by name, tags, type, and date, so that it becomes easier for me to navigate the information.

**Estimation in story points: 40**

**AC:**

**Given:** I'm a logged-in user on page where I can view content.

**When:** I type something in special form.

**Then:** I see content is filtered according to typed in content.

As a user, I want to view content inside a web service so that I wouldn't waste time downloading and searching for a file on my computer.

**Estimation in story points: 13**

**AC:**

**Given:** I'm a logged-in user on page where I can view content.

**When:** I choose some tab with content.

**Then:** Now I see content presented (text or video).

As a user, I want to upload different types of documents, videos, photos, and links, so that content preview would support them.

**Estimation in story points: 5**

**AC:**

**Given:** I'm a logged-in user on a special page for uploading content.

**When:** I choose content I want to upload and upload it.

**Then:** Content is uploaded to the database and waits for approval from the moderator.

As a user, I want to request a moderator to unlock thematic page with an interesting field for me, so that I could get information from this field.

**Estimation in story points: 3**

**AC:**

**Given:** I'm a logged-in user on a page of user information and I can see available groups of material for me.

**When:** I request the unavailable yet field for me, that I'm interested in.

**Then:** Moderator sees the request and unlocks special fields for me.

As a user, I want to have a section where I store my favourite content (like bookmarks), so that I do not search for the same content every time.

**Estimation in story points: 3**

**AC:**

**Given:** I'm a logged-in system user.

**When:** I want to save the file to bookmarks, so I mark the file as a bookmark.

**Then:** This file is saved in the bookmarks list.

**AC:**

**Given:** I'm a logged-in system user, and I saved the content in my bookmarks beforehand.

**When:** I want to find the saved in bookmarks file, so I select the bookmark page.

**Then:** The list of content saved in bookmarks opens.

As a user, I want to log in using an Innopolis account so that I wouldn't need to come up with a separate username and password for the web service.

**Estimation in story points: ?**

**AC:**

**Given:** I'm a logged out system user and I'm on the sign-in page of the service.

**When:** I select "sign in through a Innopolis University account" option.

**Then:** Service redirects me to the Innopolis University's login page.



As an administrator, I want to be able to get feedback from the users and moderators about technical issues, so that I could improve the service work.

**Estimation in story points: 3**

**AC:**

**Given:** I'm a system user logged in as an administrator.

**When:** I want to see feedback about the service, so I make a request for a feedback messages list.

**Then:** The feedback section opens.

**AC:**

**Given:** I'm a system user logged in as an administrator.

**When:** I want to respond to feedback, so I write a comment for pending review and send it.

**Then:** The user receives my response.

As a user, I want the web-service to work fast, so that I can interact with it without any problems.

**Estimation in story points: 40**

**AC:**

**Given:** I'm a system user.

**When:** I interact with the service and perform any action prescribed by the functionality.

**Then:** The service's response time to my request is less than 5 seconds for normal pages and less than 30 seconds for reports pages. User estimation taken from [1].

# Digital library

Discover. Explore. Learn.

