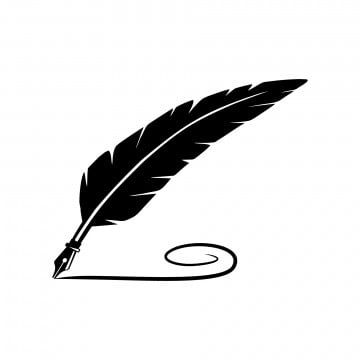
**The Story Line Tool**

**D20 2nd Semester Final Project**



EASV Sønderborg

Computer Science

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# Preface

preface

# Resources

* GitHub Link: <https://github.com/Fei-D20/D20_2nd_Semester_Final_Project.git>
* The project report: [https://github.com/Fei-D20/D20\_2nd\_Semester\_Final\_Project/blob/0a6c3eb512f8fc81127eb344f31c905944d0b893/Document/ProjectReport/Report.docx](https://github.com/Fei-D20/D20_2nd_Semester_Final_Project/blob/main/Document/ProjectReport/Report.docx)

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# Introduction

Our team has been tasked with creating a tool, that would help writers composing a new book or a story. Currently, many authors begin their new work by collecting many notes about the story and its proceedings, often written on post-it notes or event cards. This is where the problems arise: when there are a lot of cards its quite hard to manage and keep track of all of them, they can be easily misplaced or lost, moreover it is hard for multiple authors to work with them, it takes a long time to sort them and find a needed one to create a flowing storyline. This is where the Story Line Tool comes in, it will prevent all the issues mentioned above and simplify the work of an author. The tool will allow a single or multiple authors to easily work on a project by allowing them to take and save notes, rearrange them in desired order, print the events in chronological order and export everything in a text file.

Our team believes that such tool would be very useful for authors, to ease their process of creation, and that it has a place in the market.

# Case study

Case study

# Requirement study

Requirement study

# Delimitations

Delimitations

# Technology and Business

## The Business Model Canvas

## Competitor Examples

Similar software

## Values for the user

An answer to what value the product creates for the user

# System development

## Domain analyses

### Vision

This application is working for the author who need to have a platform to store, organize, manage the ideas, and also cooperation with some other authors. They can share the idea between multiple cooperators and leave some opinions as well. And also, they can use this application create chronicle of events, and check the view of the story timeline. Make the decision about the different choice which is the actor made. And check how is going on.

This application can also export the events as the text file with formatter.

### Data dictionary

***The author:*** the final user for this application who want to get help from make event card and easier cooperation work.

***Event card:*** the small note (like sticky note or tile) on the working board with single words. And the user can create, delete, edit, search and sort it.

***Story:*** the author will write after create all event and timeline. Which is the novel author will write.

### Domain model

## UP

### Process flow

### Use Cases

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case number | Actor | Use case | Version | Time Estimation |
| UC 1 | User | Create a new note box | 1 | hours |
| UC 2 | User | Create Delete note option | 1 | hours |
| UC 3 | User | Make event box (to Write) | 1 | hours |
| UC 4 | User | Create a Timeline | 1 | hours |
| UC 5 | User | Create Store events-timeline | 1 | hours |
| UC 6 | User | Create Categories option (like chapters) | 1 | hours |
| UC 7 | User | Create Drag and drop sticky notes option | 1 | hours |
| UC 8 | User | Mention Time | 1 | hours |
| UC 9 | User | Make Store notes | 1 | hours |
| UC 10 | User | Make undo button | 1 | hours |
| UC 11 | User | Make Store button | 1 | hours |
| UC 12 | User | Create a redo option | 1 | hours |
| UC 13 | User | Create change color option | 1 | hours |
|  |  |  |  |  |
| UC 14 | User | Make connection between events | 1 | hours |
| UC 15 | User | Set the priority about events (or level as well) | 1 | Hours |
| UC 16 | User | Create a story line | 1 | Hours |
| UC 16.1 | User | Create a new story line |  |  |
| UC 16.2 | User | Modify the story line |  |  |
| UC 16.3 | User |  |  |  |
| UC 17 | User | Set a comment about event card | 1 | Hours |
|  |  |  |  |  |
|  |  |  |  |  |
| UC18 | User | Register as new user | 1 | Hours |
| UC19 | User | Create user login | 1 | hours |
| UC 20 | User | Create Password field | 1 | hours |
| UC 21 | User | Forgot Password | 1 | hours |
|  |  |  |  |  |
|  |  |  |  |  |
| UC 22 | User | Create a project (novel) |  |  |
| UC 23 | User | Share a project to another author  (Or choose/add another user as cooperator) |  |  |
| UC 24 | User | Save project |  |  |
| UC 25 | User | Export a project as text (like .TXT file or .md file) |  |  |
| UC 26 | User | Import a project as text |  |  |
| UC 27 | User | Insert some event (from .TXT or .md file) into a project |  |  |
| UC 28 | User |  |  |  |
|  |  |  |  |  |
| UC 29 | User | Edit a note option |  |  |
| UC 30 | User | Change project name |  |  |
| UC 31 | User | Create choose font and size option |  |  |
| UC 32 | User | Add picture |  |  |
| UC 33 | User | View option (list or gallery) |  |  |
|  |  |  |  |  |
| UC 34 | User | Search event card |  |  |
| UC 35 | User | Sort the chosen event/all event |  |  |
|  |  |  |  |  |
| Database |  |  | 1 | 30hours |
|  |  |  |  |  |
| Software to connect database and use cases |  |  |  | 30 hours |
|  |  |  |  |  |



Total Estimate: hours | days

Time correction =\_\_\*3 = hours

### Time estimation

### Throw away prototyping

### Usability

### Class diagram

### SSDs

### Inspection

### Reflections

### Recommendation of improvements

# Programming

Programming

## Architecture(diagram)

## Patten analyses

## Database analyses

### Database Model (ERD)

### Database relationship

### Database creation (scripts )

### JDBC

### Stored procedures

## GUI design

### GUI structure

### GUI controller

### Unit-test

## Design Class Diagram

Just place an excerpt

## Sequence diagram

# Conclusion

Conclusion

# Bibliography

Bibliography

# Appendices

Appendices