



Prosper Lend

Empowering Growth, Rewarding Ethics

Meet the team



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Prosper Lend is a Business Loan Provider that offers exclusive interest rates discounts for companies committed to making a positive impact in the world.

Is your business part of these initiatives?

-1%
Carbon neutral



-1%
D&I workplace



-1%
Equity pay



-1%
Community Outreach



-1%
Ethically Sourced



Any market alternatives?



Sustainable banking refers to financial institutions that prioritise environmental, social and governance (ESG) factors in their operations and investments.

E.g. they might offer financing for renewable energy projects, energy efficiency measures, and sustainable transportation.

Demo Time



Timeline



Planning

- Ideation
- Trello board
- Project set up-MVC Spring boot JPA

Back-end, Planning

- ERD diagrams
- Prototyping
- Database
- DTO classes

Back-end, Front-end

- DAO interfaces
- Service layer
- Tests
- Templates (html & css)

Back-end, Front-end

- Tests
 - Templates (html & css)
- ⚠ .metadata**

Back-end, Front-end

- Tests
- Secure login
- Templates (html & css)

19/07/23

20/07/23

21/07/23

22/07/23

23/07/23



Timeline



Back-end, Front-end

- Secure login
- Calc interest
- Footer
- Drop-down menu
- Buttons

Back-end, Front-end

- Thymeleaf
- Prototyping
- Controllers
- .metadata
- Calc interest
- Login



Back-end, Front-end

- Add sessions
- Avatar photo
- Update user information
- Output

Back-end, Front-end

- Update photo
- ⚠
- Presentation
- Tests
- Request funding
- Align home template

Demo Day



24/07/23

25/07/23

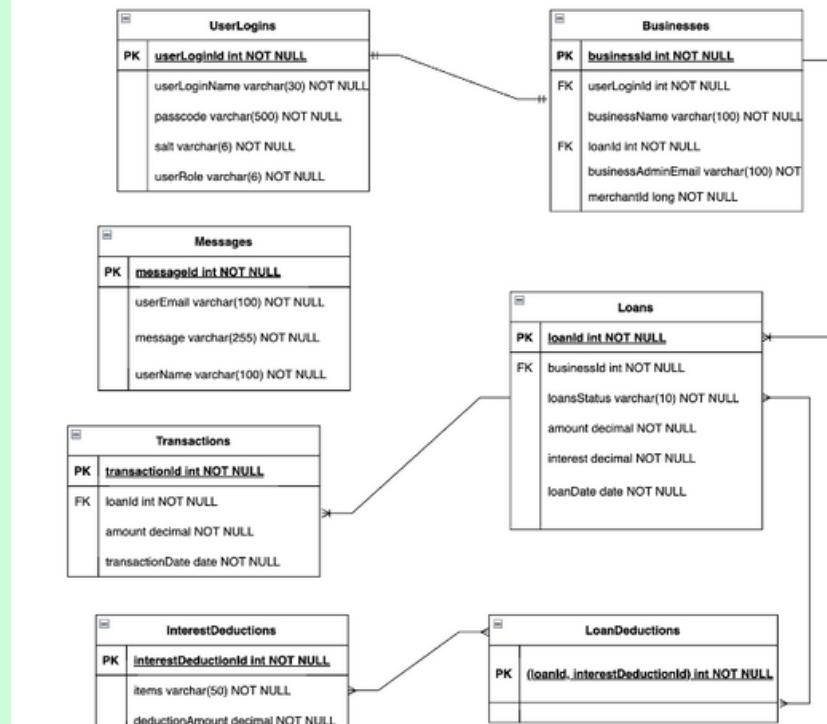
26/07/23

27/07/23

28/07/23

Planning

ERD diagrams



SQL

Database name ProjectProsperLend	
Catalina	UserLogins Table: -userLoginID <-- PK -userLoginName (For Logging in) -passcode -salt -userRole (user/admin)
Hedan	Businesses Table: -businessID <-- PK -userLoginID <-- FK -businessName (Not for Logging in) -loanID -businessAdminEmail -merchantID
Dominique	Loans Table: -loanID -status (approved/declined) -amount -businessID <-- FK -date
Ju	Transactions Table: -transactionID <-- PK -loanID <-- FK -amount -transactionDate
	InterestDeductions Table: -interestDeductionID <-- PK -interest (carbon neutral, equality, etc) -deductionAmount
	Messages Table: -messageID -userEmail -userName -message

Project management

The screenshot shows a Trello board for the 'Prosper Lend' project. The board is organized into five columns: Brainstorming, To do, In Progress, Blocked, and Done.

- Brainstorming:** Contains cards for 'User stories, ideas, other things we might do. Feel free to add!', 'MVP: user login (with photo), admin login, different interest percentage', 'Github link', 'Canva (presentation) link', 'Excalidraw link', 'Stock Market API link', and 'Tests Cases'.
- To do:** Contains cards for 'Please assign yourself / your pair to this card!', 'Test cases for Messages and Transactions', 'HTML and CSS for My Profile Page', 'Business tests', 'Contact Us page', 'My Loans page', and 'Payment History Page'.
- In Progress:** Contains cards for 'Tasks you're currently doing.', 'Business tests', 'User Profile Page (welcome-user.html)', and 'Payment History Page'.
- Blocked:** Contains cards for 'Can't complete a task for some reason? Waiting on something else?' and '+ Add a card'.
- Done:** Contains cards for 'Task done', 'Request funding for your business now', 'Update Home Page - not logged in user', 'About us page (/about-us)', 'funding options page (/funding-options)', 'Prototype all pages on Canva', 'Loans tests', 'DTO, DAO and Service layers for Messages and transactions', 'Create Table for Business and insert data', and '+ Add a card'.

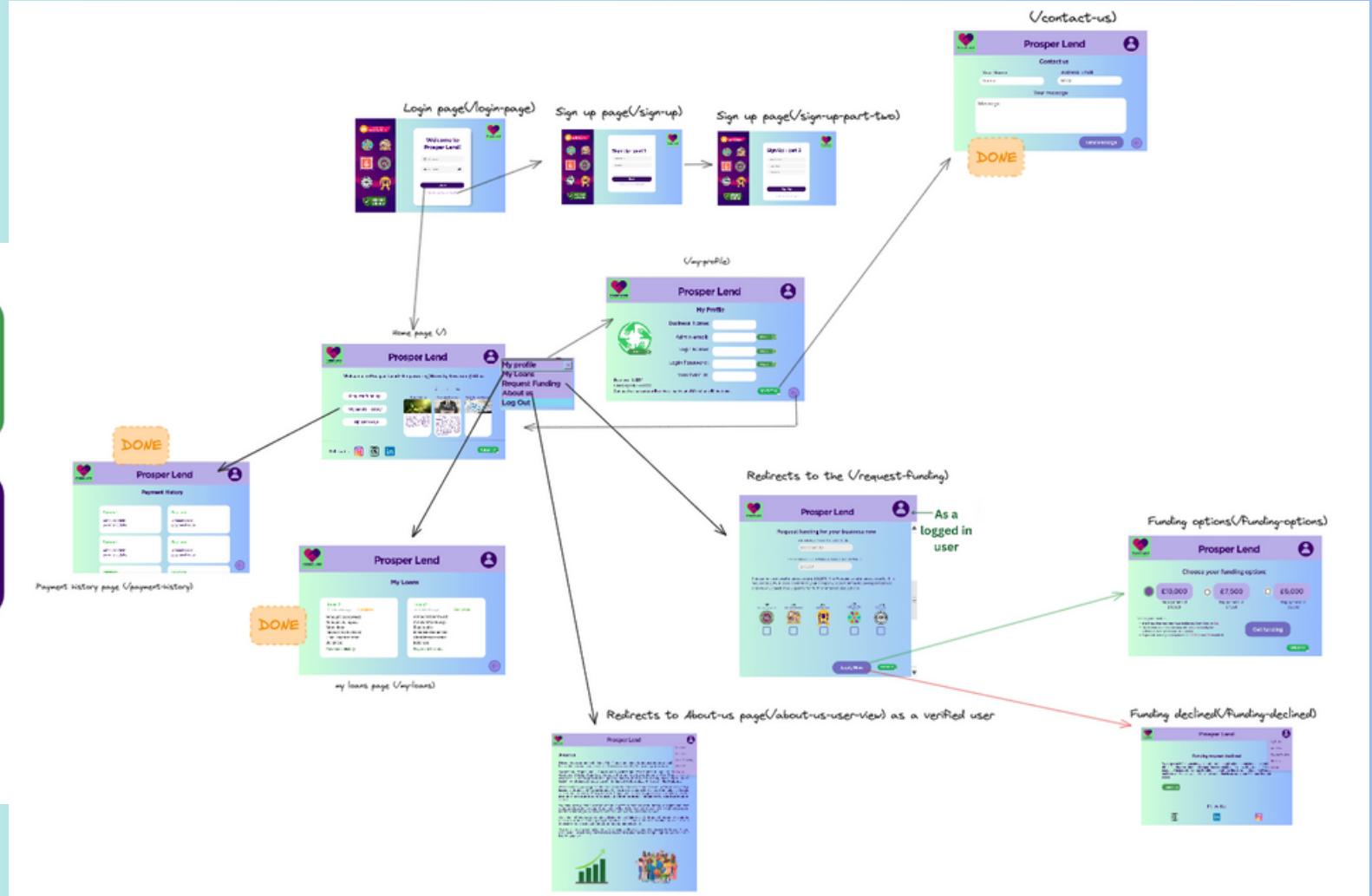
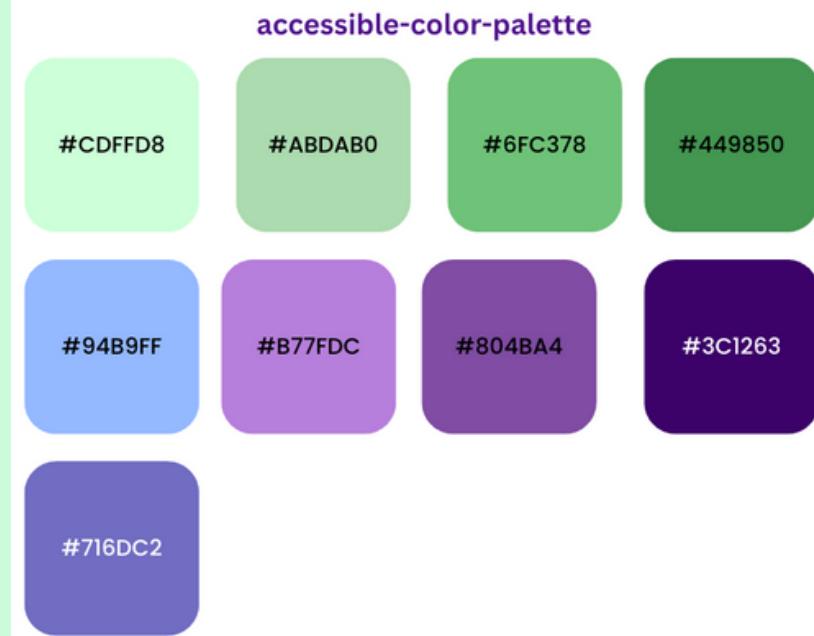
A single US penny coin is placed on the marble surface next to the Trello board.



Planning



Prototyping



User stories



As a user I can:

- sign up
- login with an user name and password
- see my home page with fintech news
- see my profile page with an avatar photo
- edit my user name and email
- request funding
- see my payments history
- see my loans
- message Prosper Lend if I need help
- log out

Minimum viable product (MVP) and beyond:



Sign up (secure storage) and create an account



See funding option with interest rates deductions



Update name and email



User-friendly design with accessible colors

Display loans history



Responsive Web Design



Contact us (user can send us messages if they need support)



Roles and Responsibilities



planning

SQL

DTO/DAO/Service/controllers

tests

interest rates



planning

SQL

DTO/DAO/Service/controllers

html/css

update info

tests



planning

SQL

DTO/DAO/Service/controllers

html/css

update info

slides



planning

SQL

DTO/DAO/Service/controllers

html/css

login

update info

slides

tests

Challenges and Learnings



- Database modifications (update SQL, modify html/css, re-write tests)
- Responsive web designer (CSS)
- Update photo (update SQL data type, modify controllers and html/css)
- Github .metadata (remove it before .gitignore)

Future scope



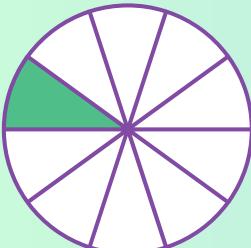
Increase accessibility making the website compatible with screen readers: Focus state,TabIndex, ARIA (eg. reads out checkboxes).



Calculate debts automatically



Update password and profile picture

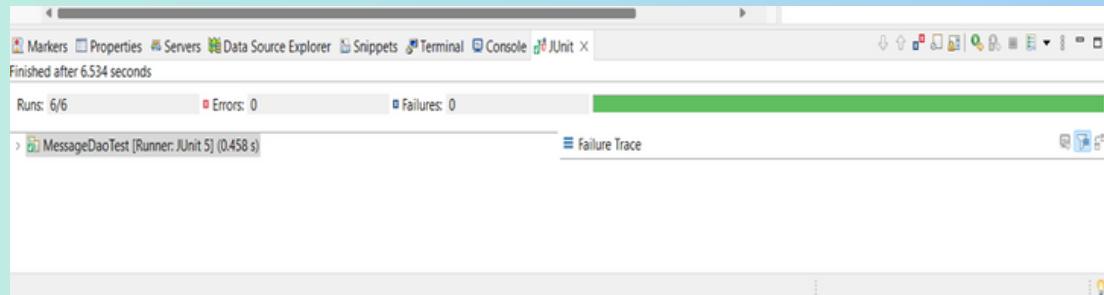
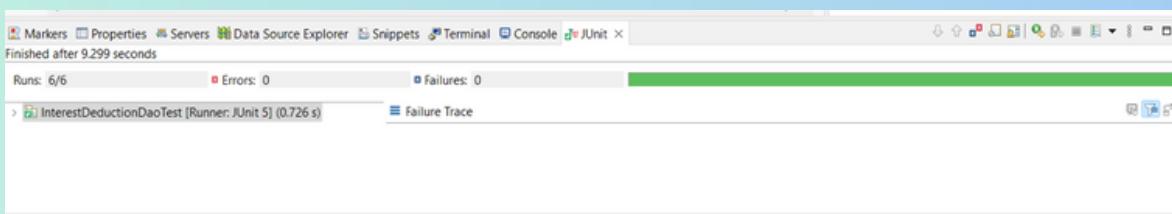
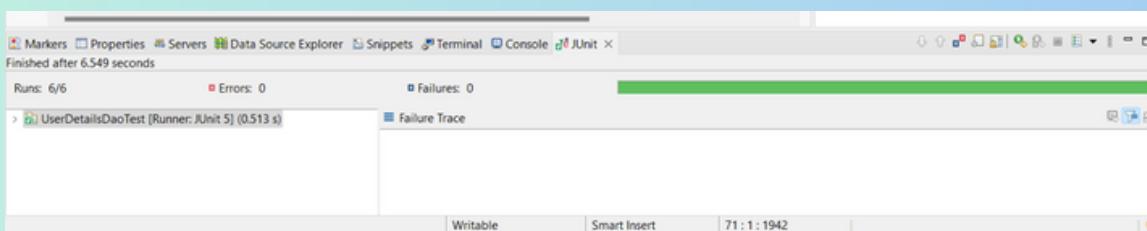
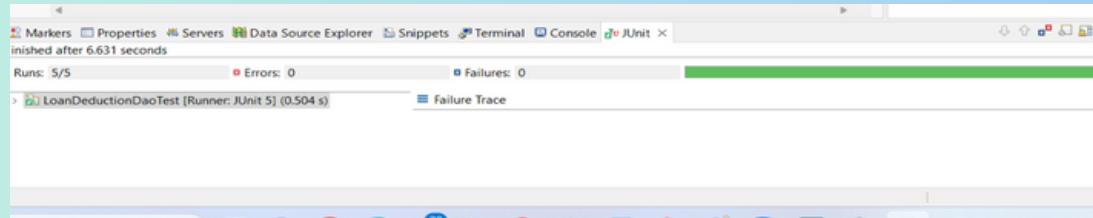
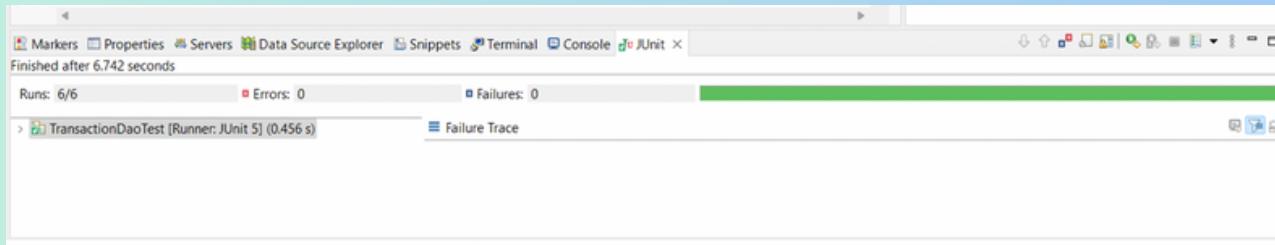


Get real time news (e.g. BBC API)

NEWS
UPDATE

Each policy -1/10 of total interests rate

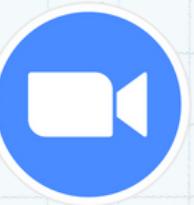
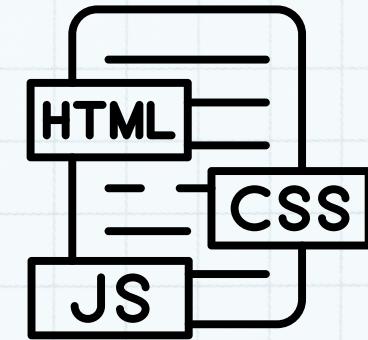
Tests



Tech



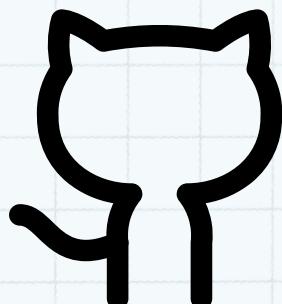
JUnit



EXCALIDRAW



Java



MySQL®



Our numbers



4 developers

10 days

35 test cases

77 pull requests

234 commits

The end

Thank
you



Q&A



BEST QUALITY



LICENSED
& INSURED