

Fiche de présentation du projet

Titre complet	Academic Collaboration Platform for PhD Students
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Résumé	<p>This project aims to develop an academic collaboration platform for PhD students, implementing microservices architecture. The platform will provide a comprehensive online environment to support PhD students in their academic research and facilitate the exchange of information, resources, and advice within the academic community.</p> <p>Here is a potential list of functionalities for the Academic Collaboration Platform for PhD Students, which can be expanded with additional features:</p> <ol style="list-style-type: none"> 1. User Registration and Authentication: Allow PhD students to register for accounts and authenticate securely. 2. Profile Management: Enable users to create and manage their profiles, including personal information, academic background, research interests, etc. 3. Academic Resource Sharing (paid and free): Allow users to share academic resources such as research papers, articles, presentations, and datasets. 4. Collaboration Spaces: Provide collaborative spaces where users can form groups, join research projects, and collaborate with peers. 5. Discussion Forums: Implement discussion forums or message boards where users can discuss research topics, ask questions, and share insights. 6. Events and Conferences: Display upcoming academic events, conferences, seminars, and workshops relevant to PhD students. 7. Mentorship and Advising: Facilitate mentorship opportunities where experienced academics or researchers can mentor PhD students. 8. Research Recommendations: Utilize microservices architecture to provide personalized research recommendations based on users' interests, preferences, and past activities. 9. Notifications and Alerts: Send notifications and alerts to users about new research opportunities, collaboration requests, upcoming events, etc.
Outils et Langages	<ul style="list-style-type: none"> • Front-End : <ul style="list-style-type: none"> ○ WEB-UI <ul style="list-style-type: none"> ▪ ReactJS, Angular, or other. ○ Mobile-UI: <ul style="list-style-type: none"> ▪ Flutter ou ReactNative, or other. • Back-End: <ul style="list-style-type: none"> ○ Database: <ul style="list-style-type: none"> ▪ Mysql, PostgreSQL, MongoDB, or other. ○ Couche métier: <ul style="list-style-type: none"> ▪ SpringBoot, Flask, Django, or other

	<ul style="list-style-type: none">○ DevOps<ul style="list-style-type: none">▪ Docker & docker-compose, Kubernetes, etc.
Plan de travail	<ol style="list-style-type: none">1. Analysis and specification of requirements.2. Design3. Implementation4. Verification and validation5. Report writing