PROJECT DESIGN PHASE
DATA FLOW DIAGRAM AND USER STORIES

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Project name	Doctors annual salary prediction
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- **Data flow diagram:**

  This DFD represents a high-level overview of the data flow involved in predicting doctor salaries. It outlines the main processes, data stores, and data flows within the system.
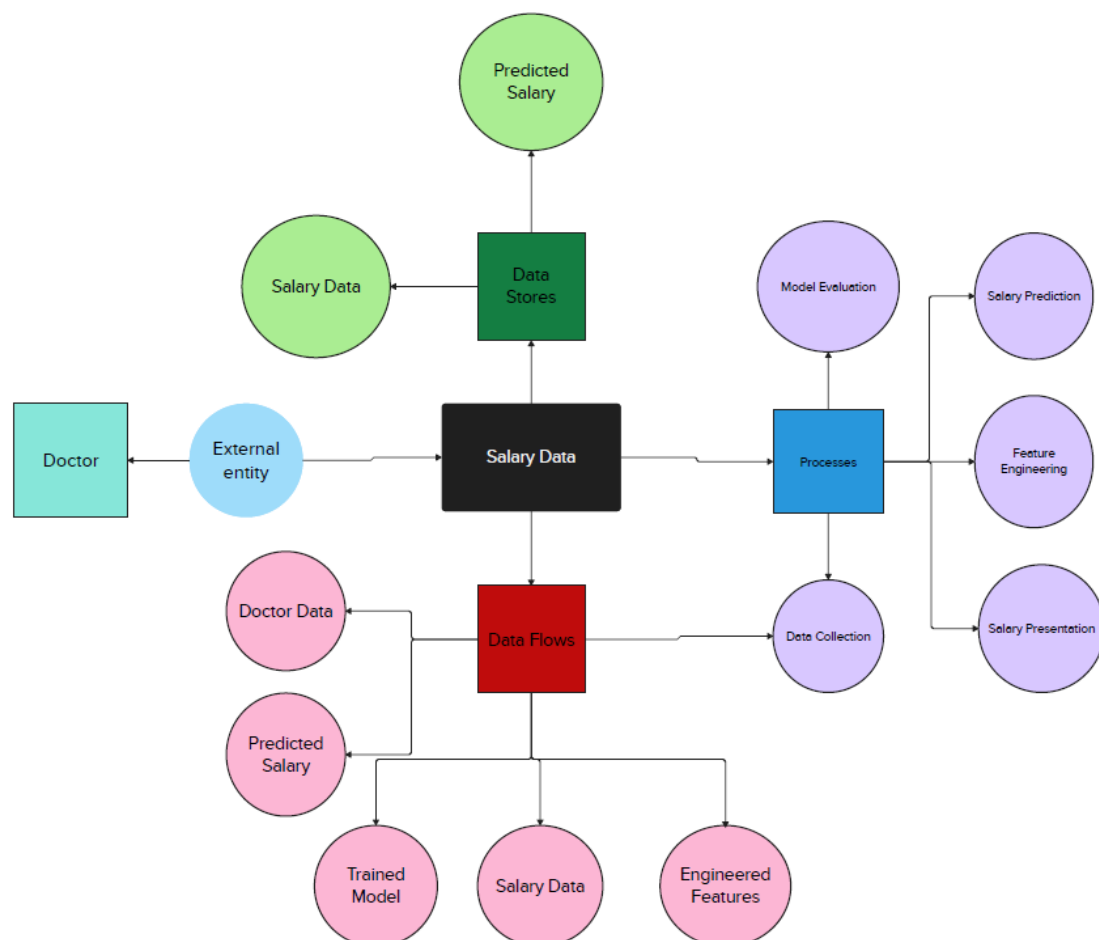
- **USER STORIES:**
  User stories are a helpful way to define the requirements and functionality of a system or feature from the perspective of its users. In the context of a doctor's salary prediction model, here are some user stories that capture the needs and expectations of different stakeholders;

  1. **As a hospital administrator**: I want to accurately predict a doctor's salary so that I can budget and allocate resources effectively.

  2. **As a doctor**: I want to understand how my salary is determined, considering factors like experience, specialization, and location.

  3. **As a hospital HR manager**: I want a tool that helps me make data-driven decisions when negotiating salaries with new hires or discussing salary adjustments with existing staff.

  4. **As a government regulator:** I want to ensure that doctors are compensated, and I need a model that helps monitor and assess salary structures in healthcare institutions.

  5. **As a doctor's union representative**: I want transparency in the salary determination process to ensure fair and equitable compensation for all members.

  6. **As a hospital CEO**: I want a comprehensive salary prediction system that considers not only experience and location but also factors like patient satisfaction and the doctor's impact on revenue.

  7. **As a doctor job applicant**: I want to receive a salary estimate before accepting a job offer, based on my qualifications and the specific job location.

8. **As a hospital board member**: I want access to periodic reports generated by the model to assess the effectiveness of our salary structure and identify areas for improvement.

9. **As a medical school dean**: I want access to data and reports to help students understand the financial aspects of choosing different medical specialties.

- Each of these user stories represents different stakeholders and their unique needs related to the doctor's salary prediction model. These stories can guide the development and improvement of the model to ensure it meets the requirements of all parties involved.