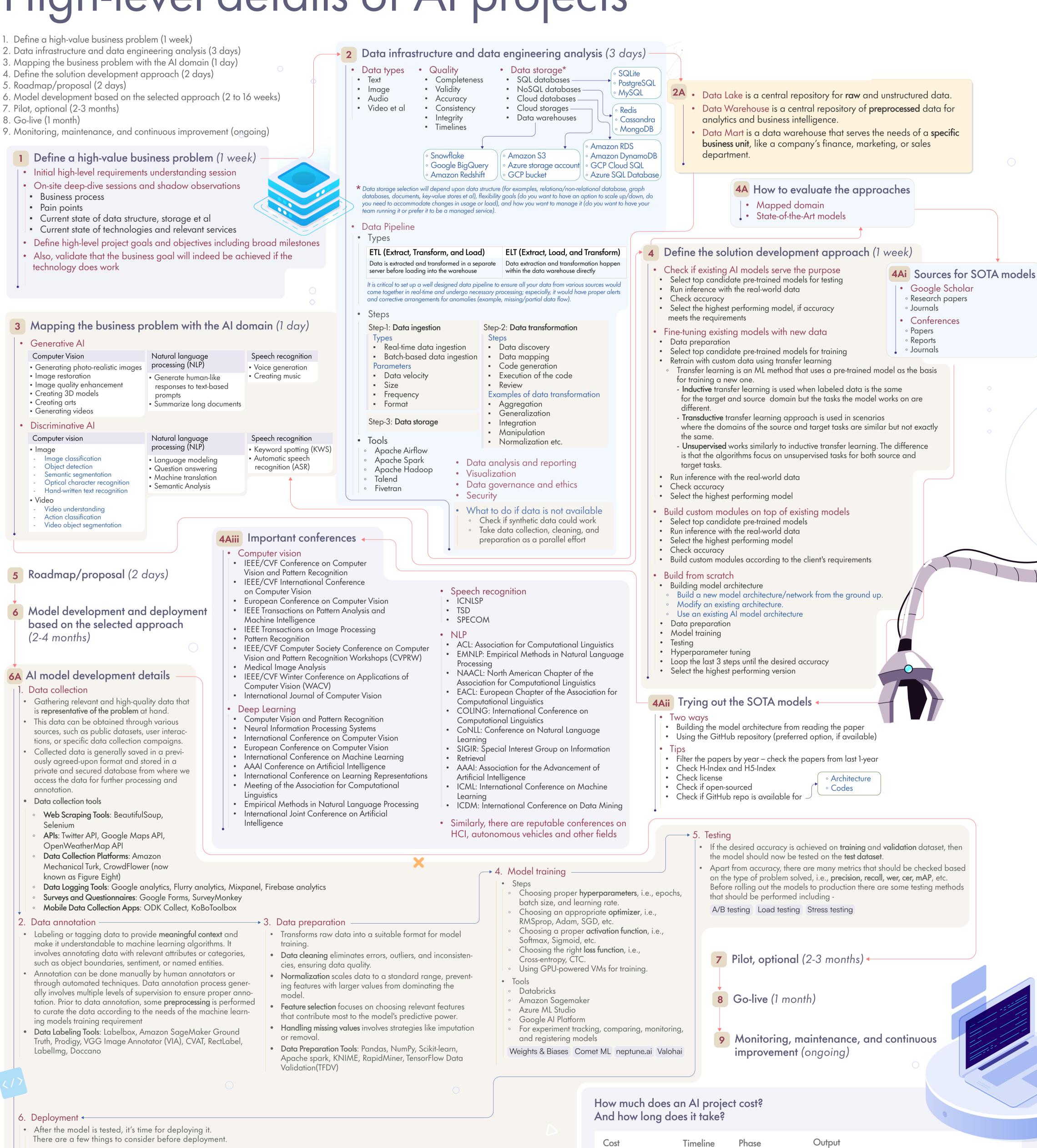
High-level details of Al projects



Real-time/batch inference CPU/GPU nodes Throughput requirements Availability of the application

- Containerize the application with Docker. Often, it's a good idea to break the application down into smaller microservices. For example, a real-time text recognizer application can have 3 microservices. One to detect text regions in the given image, another to recognize texts in the regions, and the
- other to expose an API to accept images via requests. The advantage of using this approach is that the microservices can be scaled independently.

 Deploy the docker containers with Kubernetes. Kubernetes provides various features like pod autoscaling, node autoscaling, container-wise resource allocation, metrics server, etc. The metric server can be used to monitor various metrics of the cluster, i.e., node memory usage, CPU usage, pod failures, and many others. Cloud services provide built-in monitoring tools like AWS Cloudwatch, Azure monitor, etc which can be used to monitor the
- ures, and many others. Cloud services provide built-in monitoring tools like AWS Cloudwatch, Azure monitor, etc which can be used to monitor the cluster. Also, open-source tools like Prometheus, Grafana, etc can be used to monitor many other metrics in real time.

 CI/CD pipelines can be used to continuously build, test, and deploy changes to the production environment from git commit. Some of the popular
- tools are:

GitHub Actions Jenkins Argo CD

Cost	Timeline	Phase	Output
	3 weeks	Feasibility	Al model (if existing models could fit the purpose)Approach, methodology, cost, and timeline
	2-4 months	POC	Al model
	2-3 months	Pilot (optional)	Al model with live results
	1 month	Go Live	Al model in production

+ Data preparation cost might be needed — we'll get to know during feasibility

+ We recommend taking the intelligence as an output or integrating the API with your enterprise systems. However, if you want to take web or phone applications, that cost would be added — we'll get to know during feasibility