

Key vocabulary

| | Definition | Example |
|-------------------------|---|---|
| Functional Requirements | A list of the specific things your solution must be able to do. | Our recycling robot must be able to separate plastic bottles from glass bottles. |
| Prototype | A simple, first version of your solution that you build to test if your idea works. | Before building the real metal bridge, the engineers built a small prototype made of small sticks to test the design. |
| Simulation | Using a computer program to test how your solution might work before building the real thing. | Pilots use a flight simulator video game to practice flying safely before they fly a real airplane. |

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