| User Interface subsystem | Control Subsystem | Motor subsystem | Mechanical subsystem | Power subsystem | Belt subsystem | Gripper subsystem | Extra bits |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Draw teacher input screens | Determine motor controller | Determine motor drives | Student input mount on wheelchair | Bill of materials | Bill of materials | Bill of materials | Research Automatic tool changer |
| Bill of materials for student input | Bill of materials | Determine motor | Bill of materials | Research batteries | Schematic of belt system | Prototype of gripper | Schematic of cup |
| Drawing of student input | Drawing of control system | Bill of materials | Material framework (8020, etc.) | Determine power requirements |  | Determine which off the shelf solution | Carrying case design |
| Language picked | Schematic of circuits |  | Better prototype of paper securing | Block diagram |  | Schematic of gripper |  |
| Benchmark microcontrollers | Determine encoders |  | Attachment of motors and grippers | Schematics |  | Determine which servos to use (close, up/down) |  |
| Preliminary bill of materials for teacher input |  |  | 3d model of device |  |  | 3d model of gripper |  |
| Block diagram |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| Andrew | **Andrew** | Josh | **John** | Allison | **Josh** | **Dylan** | Dylan |
| **David** | David | George | Josh | Dylan | George | John | Andrew |
|  |  | David | George |  |  |  | David |
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